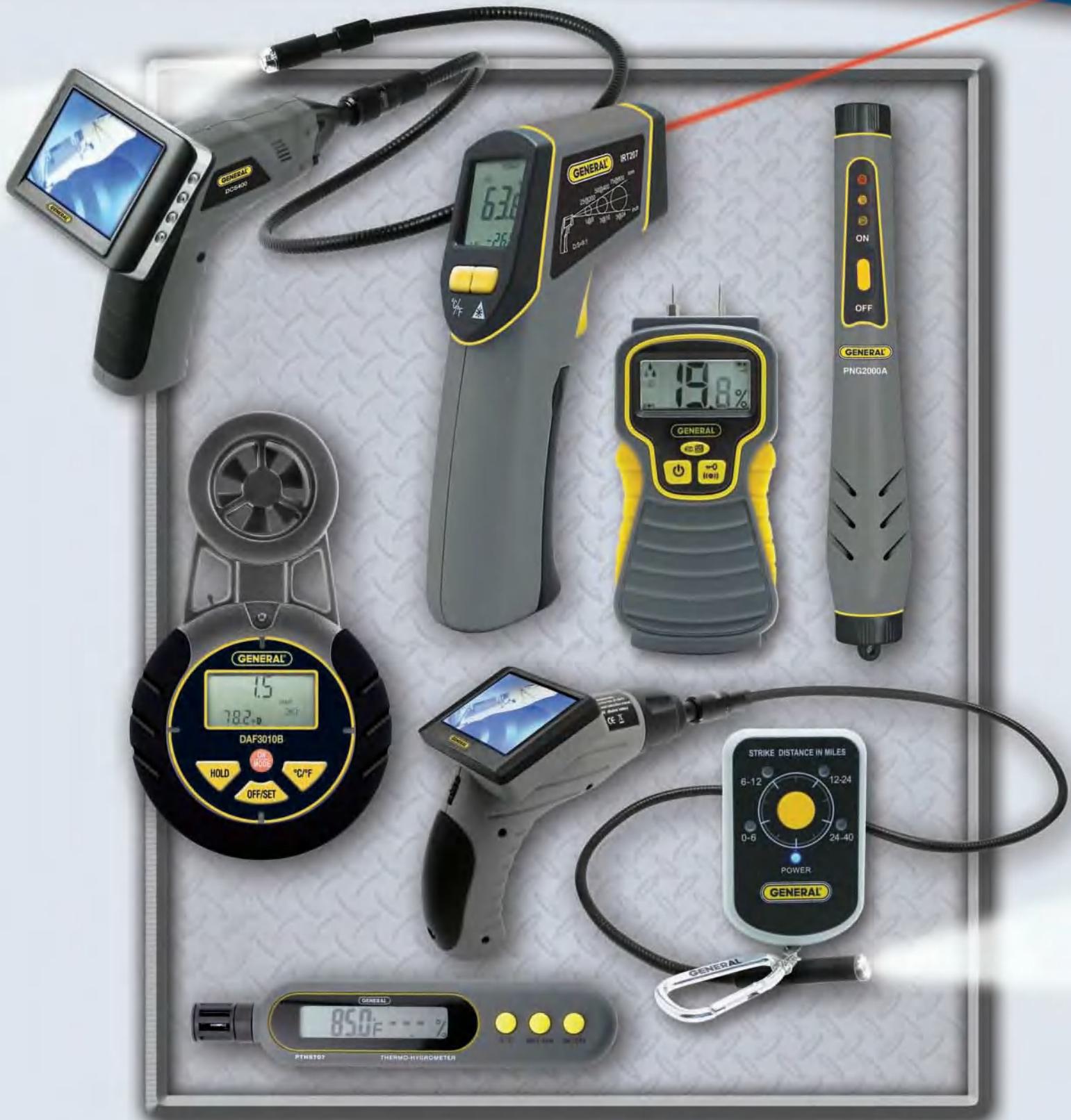


**GENERAL®**

# The Seeker™ Series Specialty Instruments



# THE SEEKER™ SERIES

## Video Inspection Systems

**GENERAL®**



DCS400  
DCS495

### FEATURES

#### THE SEEKER™ 400 SERIES WIRELESS VIDEO INSPECTION SYSTEMS

Use for Plumbing, Construction and Restoration, Automotive inspection, and any other inspection of hard-to-reach and hard-to-see areas.

- 3.5" (88.9mm) TFT-LCD Wireless Color Monitor, can be detached from the unit for remote viewing up to 32.8 ft. (10m) away
- 3.28 ft. (1m) Flexible Waterproof (IP67) Obedient Probe retains configured shape Standard Length: 3.28 ft. (1m) Optional Length: up to 18 ft. (5.5m)
- Records up to 3 hours continuously
- NTSC or PAL compatible

CE  
FC



CE  
DCS200



DCS200 Display: 2.4 in. (70mm)



CE  
DCS300



- ♦ Warranty: 1 year
  - ♦ Power Source: 4 "AA" batteries (included)
  - Includes: • 36" probe • Mirror • Magnet • Pick-up hook • Case
- | UPC     | NO.                       |
|---------|---------------------------|
| 01371 7 | DCS400 (with 17mm probe)  |
| 01400 4 | DCS495 (with 9.5mm probe) |

### SPECIFICATIONS

#### THE SEEKER™ 200 & 300 VIDEO INSPECTION SYSTEMS

Ideal for use in: Automotive, Electrical, Plumbing, HVAC/R, MRO Maintenance.

- 2.4" (70mm) Color LCD Screen for crystal clear image
- 0.47" (12mm) diameter Camera-tipped Probe is flexible and strong with built-in adjustable LED lighting, and is slim enough to perform automotive engine check-up
- Flexible Probe retains configured shape to suit different inspection needs
- Mirror, Magnet and Pick-up Hook

UPC	NO.
01372 4	DCS200
01373 1	DCS300



DCS300 Display:  
3.5 in. (88.9mm)

#### CAMERA

- ♦ Transmission Range: 32.8 ft. (10m) clear field
- ♦ Transmission Frequency: 2468MHz
- ♦ Resolution: 712 x 486 Pixels (NTSC)/704 x 576 Pixels (PAL)
- ♦ Field of Depth (DOF): 5.9" to 9.8" (150mm to 250mm)
- ♦ Field of View: 50°
- ♦ Camera-tipped Probe diameter: 0.67" (17mm) (DCS400); (9.5mm DCS495)
- ♦ Probe Length: Standard: 3.28 ft. (1m)  
Optional: up to 18ft (5.5m)
- ♦ Dimensions: 7.3" x 5.7" x 1.6" (186 x 145 x 41mm)

#### MONITOR

- ♦ Video/Image Resolution: 960 x 240 Pixels (AVI format)/ 640 x 480 Pixels (JPEG format)
- ♦ Dimensions: 3.9 x 2.7 x 1 in. (100 x 70 x 25mm)
- ♦ Weight: 4.9 oz. (140g)

- ♦ Display: 2.4" (70mm) Color LCD Screen
- ♦ Resolution: 320 x 234 Pixels
- ♦ Probe Length:  
Standard: 3.28 ft. (1m)  
Optional: up to 32.8 ft. (10m)
- ♦ Depth of Field (DOF): .98" to 11.8" (25mm to 300mm)
- ♦ Field of View: 60°
- ♦ Light Source: two adjustable LED's
- ♦ Power Source: 1 "9V" battery (included)

- Includes:
- 3.28 ft. (1m) Flexible Probe (P230-1)
  - Extension Tools: (Mirror, Magnet, Pick-Up Hook)
  - Blow Mold Case
  - Instruction Manual



**FEATURES****THE SEEKER™ THERMO-HYGROMETER PEN**

Ideal for contractors and homeowners to measure temperature and humidity conditions.

- °F/°C Switch
  - Check home comfort and ventilation
  - Monitor green-house environment
  - Rotate the cap to cover and protect sensitive sensor tip
  - Fits in your shirt pocket with back clip
  - CE and RoHS approved
- Includes:
- Pocket clip on back
  - Manual

UPC                  NO.  
01402 8            PTH8707

**SPECIFICATIONS**

- ♦ Humidity range: 20 to 100%RH
- ♦ Temperature range: 32° to 122°F (0° to 50°C)
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Resolution:
  - Temperature: 0.1 °F/°C
  - Humidity: 0.1%
- ♦ Humidity accuracy: ±3%
- ♦ Dimensions: 6.5 x 1.25 x 0.5 in. (165 x 32 x 13mm)
- ♦ Weight: 1.9 oz. (54g)
- ♦ Power Source: 1 "CR2032" battery (included)



**CE**  
**RoHS**  
PTH8707

**THE SEEKER™ PERSONAL LIGHTNING DETECTOR**

Ideal for Early Storm Warnings and Storm Directions and protection for any outdoor activity.

- Pocket size lightning detector that can be clipped on your belt or hung from your belt loop
- Gives you early warning of pending storms and lightning at various distances from 0 – 40 miles away
- Multiple alarm signals include an audible alarm, a vibration alarm and sequentially illuminating LED's at various distance intervals: 24 – 40 miles, 12 – 24 miles, 6 – 12 miles and 0 – 6 miles
- Will inform you if the danger is approaching, stationary or departing

- ♦ Ranges: within 6 miles; 6 to 12 miles; 12 to 24 miles; 24 to 40 miles
- ♦ Dimensions: 3.31 x 2.17 x 0.96 in. (84 x 55 x 24mm)
- ♦ Weight: 2.6 oz. (74g)
- ♦ Power Source: 2 "AAA" batteries (included)

UPC                  NO.  
01368 7            LD7



**FC**  
**CE**  
**RoHS**



LD7

**THE SEEKER™ COMBUSTIBLE GAS DETECTOR PEN**

Ideal for contractors and homeowners to check gas leaks in plumbing and appliances.

- Easy to operate
- High Sensitivity
- Low Power Consumption
- Microprocessor controlled
- Reliable performance
- Audible and visual alarms
- Fast response and resume
- A variety of sounds for different status
- Small zero drift and large range of operating temperature

- ♦ Range: 0 to 100%LEL
  - ♦ Sampling: Natural diffusion
  - ♦ Operating humidity: <95%RH
  - ♦ Operating voltage: DC3V
  - ♦ Operating current: <150mA
  - ♦ Low alarm: (20±5) %LEL
  - ♦ High alarm: (50±10) %LEL
  - ♦ Response time: <5s
  - Sound: ≥65dB
  - ♦ Power Source: 2 "AA" batteries (included)
- Includes:
- Wrist strap
  - User's Manual

UPC                  NO.  
41501 6            PNG2000A



PNG2000A



# THE SEEKER™ SERIES

## Temperature/Moisture/Airflow

**GENERAL®**



CE  
RoHS  
 IRT207



CE  
MMD4E



DAF3010B



### FEATURES

#### THE SEEKER™ 8:1 MID-RANGE INFRARED THERMOMETER

Ideal for most applications in HVAC/R, plumbing and heating, electrical, automotive and other industrial jobs.

- Rugged and ergonomic design for general purposes
- Ultra low power consumption in shutdown mode
- Extended long time measuring reliability
- Backlit LCD display
- Switchable On/Off Laser sighting
- °F/°C selectable
- Auto off
- CE, RoHS, WEEE approved

### SPECIFICATIONS

- ♦ Distance to Spot (DS) ratio: 8:1
- ♦ Range:  
-4° to 604°F (-20° to 317°C)
- ♦ Emissivity: Fixed at 0.95
- ♦ Resolution: 0.5°F / 0.5°C
- ♦ Accuracy: ±2%
- ♦ Operating temperature: 32° to 122°F, 10 to 90%RH
- ♦ Power Source:  
1 "9V" battery (included)

UPC NO.  
01403 5 IRT207

#### THE SEEKER™ DIGITAL MOISTURE METER

Ideal for contractors and homeowners to accurately measure moisture content in wood, concrete, drywall, subflooring and other construction materials.

- Accurately and professionally measure moisture in wood and building materials including brick, concrete, drywall, plaster, wood and lumber
- Strong stainless steel pins
- Audible alarms
- Battery status indication
- Hold button to freeze/hold reading
- Ergonomically designed
- CE approved

- ♦ Measuring range:  
Wood: from 5% – 50%  
Building material:  
from 1.5% – 33%
- ♦ Resolution: 0.1%
- ♦ Accuracy: ±3%
- ♦ Audible alarm:  
8 different tones level
- ♦ Auto power off: 3 minutes
- ♦ Power Source:  
1 "9V" battery (included)
- Includes:  
• Protective Cover  
• User's Manual

UPC NO.  
41447 7 MMD4E

#### THE SEEKER™ DIGITAL AIRFLOW METER

Ideal for contractors, auto technicians and homeowners to measure and monitor the airflow efficiency in AC and ventilation systems and for outdoor use.

- Measures current, average, or maximum wind speed
- Wind chill indication
- LCD display with backlight for easy reading
- Selectable air speed units of ft/min, m/s, km/hr, MPH, and Knots for maximum applications
- °F/°C switchable for temperature measurement
- Battery status indication

- ♦ Operating Environment:  
Temperature:  
32° to 113°F (0 to 45°C)  
Relative humidity: <80%
- ♦ Storage Environment:  
Temperature:  
14° to 122°F (-10 to 50°C)  
Relative humidity : <85%
- ♦ Dimensions:  
5 x 3 x 1 in. (120 x 70 x 26.5mm)
- ♦ Weight: 2.5 oz. (70g)  
(including battery)
- ♦ Power Source:  
1 "CR2032" battery or  
"3V" button cell (included)
- ♦ Power Source:  
1 "9V" battery (not included)

UPC NO.  
40105 7 DAF3010B



**GENERAL®**

# Professional Test Instruments Catalog



Precision, Specialty & Innovation

**GENERAL®**

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# PRECISION, SPECIALTY & INNOVATION

It started back in 1922 in New York City as General Hardware run by Abe Rosenberg and his wife Lillian. They realized that the future of specialty hand tools belonged to the company that could develop and offer new and unique products for both professionals and the general public. Thus General Tools Mfg. was born. Abe developed the products. Lillian managed the business.



Today, some 87 years later, General is still a family business. Years of research, product development and innovation—fueled by a combination of user feedback and the application of new technology—have provided a wealth of specialty tools and instruments designed to meet the most demanding needs of craftsmen, technicians, and professionals in a wide variety of industries. General's unique philosophy—and that of its founders—is to also offer this level of precision and technology to the hobbyist, the home mechanic and the D.I.Y. enthusiast. Our products carry on the heritage of precision, quality and value envisioned by our founders. Abe and Lillian would have had it no other way.

With the acquisition of both Mannix Instruments and Simp'l Products in 2006, General Tools made a quantum leap in product offerings, adding a complete line of hand held precision instruments as well as a line of innovative wood joining jigs to an already large and growing family of precision tools. With these acquisitions we became General Tools & Instruments.

Our vision remains the same: to provide you with a robust offering of high quality specialty tools and instruments for measuring, marking, inspecting, retrieving, fastening, joining, cutting, testing and monitoring. And we offer them at superb value. Whether you're a professional seeking a high-precision tool for woodworking, metalworking or plumbing, a technician seeking the right instrument at the right price for an industrial or HVAC/R application, or a weekend warrior looking for a cool tool to make that project easier and more fun to complete, General has the tool or instrument for you!

Gerry Weinstein, Chairman  
Joe Ennis, President and CEO

General Tools & Instruments  
Precision and Ingenuity  
Since 1922





**TEMPERATURE/HUMIDITY MONITOR – DATA LOGGER –  
LTH8809DL**

- Complete environmental monitor and alarm
- Wall or Desk Mounted LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Air Temperature or Dew Point (DP) display and °C/F Unit display are selectable
- Data Logging Capacity 16,000 records

*See page I-20 for additional information*



**PRECISION DIGITAL & LED  
MOISTURE METER – MD7003**

- Detects moisture in soft construction materials such as gypsum or plaster and wood
- Easy to use • Ergonomic design
- Illuminated LCD with bar graph display
- Measured value can be read quickly from the large clear dual scale
- Protective cap with self-test function

*See page I-14 for additional information*



**HUMIDITY SEEKER THERMO-HYGROMETER PEN –  
PTH8707**

- °F/°C Switch
- Check home comfort and ventilation
- Monitor greenhouse environment
- Rotate the cap to cover and protect sensitive sensor tip
- Fits in your shirt pocket with back clip
- CE and RoHS approved

*See page I-22 for additional information*



**HIGH ACCURACY DATA LOGGING  
THERMO-HYGROMETER – DTH184DL**

- Dual LCD Display
- Displays both Temperature and RH
- Measures both °F/°C
- Real-time data
- Data Hold Function
- Alarm Function
- Dew-Point and Wet-Bulb Temperature
- USB PC interface
- CE and RoHS approved

*See page I-19 for additional information*

**PRECISION DIGITAL  
MOISTURE METER WITH  
RS232 OUTPUT – MM700D**

- High accuracy, Auto temperature compensation
- Auto/Manual Power off
- Hold/Min/Max
- 8 wood calibration scales for different types of wood
- Built-in calibration (CAL) function; user adjustable
- Stores up to 99 readings, Max/Min average values recalled
- Water/dust-proof, Easy to operate, Long-term stability
- Auto Calibrate

*See page I-17 for additional information*



**DEW POINT THERMO-HYGROMETER –  
LAM880D**

- Displays dew point, humidity and temperature
- Large digital display
- Dew point measurement
- Min/Max memory with reset key
- °F/°C readings
- Data hold
- Auto power off

*See page I-22 for additional information*


**ALL-IN-ONE DELUXE MOISTURE METER KIT  
COMPLETE WITH PIN-TYPE AND NON-INVASIVE  
ROLLER-TYPE PROBES – MM70D-7022KIT**

- Digital LCD display with luminescent back-light
- Protective cap for safe carrying and operation
- Hardened gloss treatment on display-window for an abrasion-proof long-term clean lens
- 5.5% to 99.9% moisture range with DC 0~1V output
- Stores up to 99 readings, Max/Min average values recalled
- Auto temperature compensation and internal calibration
- Auto power off

*See page I-15 for additional information*


**PRECISION DIGITAL MOISTURE METER  
WITH SIGNAL OUTPUT – MM70D**

- 1% Accuracy
- Digital LCD display with luminescent back-light
- Protective cap for safe carrying and operation
- Hardened gloss treatment on display-window for an abrasion-proof long-term clean lens
- 5.5% to 99.9% moisture range with DC 0~1V output
- Stores up to 99 readings, Max/Min average values recalled
- Auto temperature compensation and internal calibration
- Auto power off

*See page I-14 for additional information*


**PRECISION LED MOISTURE METER  
WITH SIGNAL OUTPUT – MM70**

- 1% Accuracy
- High Resolution Multi-color LED Bar graph readout 5.5% to 99.9% moisture range
- Protective cap for safe carrying and operation
- Auto temperature compensation and calibration adjustment
- 99 Point memory
- Ergonomic design, comfortable and durable

*See page I-14 for additional information*


**BRIGHT RED JUMBO DISPLAY  
DATA LOGGING LED TEMPERATURE/  
HUMIDITY MONITOR – LRTH185DL1**

- Complete environmental monitor and alarm
- Wall-Mounted, LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Data Logging Capacity 30,000 records
- LED displays real-time data
- USB interface
- Optional probe LRTH185DLP
- CE and RoHS approved

*See page I-19 for additional information*



**8:1 MID-RANGE INFRARED THERMOMETER – IRT642**

- Rugged and ergonomic design for general purposes
- Ultra low power consumption in shutdown mode
- Extended long time measuring reliability
- Backlit LCD display
- Switchable On/Off Laser sighting
- °F/°C selectable • Auto off

*See page I-31 for additional information*



**HARDNESS TESTER  
ASTM RATED -  
PEN-STYLE – EMHT40**

- Quick and reliable EMHT40
- Wide measuring range: direct display of converted hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB and Shore HS
- Impact device provides testing at any angle, even upside down
- 1250 readings memory with data output USB
- Min/Max/Avg
- High accuracy ±0.5%

*See page I-63 for additional information*



**WATER ALARM – WA500**

- Detects water leaks from plumbing and appliances
- Alarm sounds when water is detected
- Helps reduce water damage
- Finds mold causing moisture
- Low battery indicator

*See page I-59 for additional information*



**DIGITAL UVC METER –  
UV512C**

- Backlit LCD with 4 Digit Dual Display
- High and Low Measurements Range in a unit mW/cm<sup>2</sup> or W/cm<sup>2</sup>
- Socket for Tripod Mounting
- Automatic Measuring
- Low Battery Indicator
- Magnetic Mount • 20 Point Memory
- Over Range Indication
- Zero Adjust • Auto Record

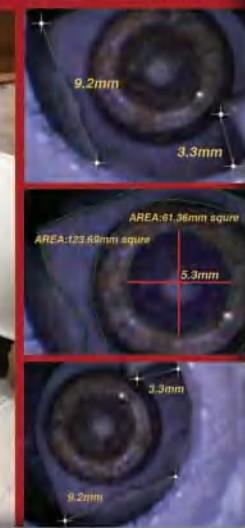
*See page I-57 for additional information*



**WIRELESS RAIN GAUGE WITH TEMPERATURE DISPLAY, REMOTE RAIN BUCKET AND TEMPERATURE SENSOR – RGR150**

- Daily rainfall and past 9 day history
- Cable free rain collection canister is self-emptying
- Total rainfall is displayed with registered date
- Rainfall display in inches or millimeters
- Long range capability allows the collector to be placed up to 300 feet from the main unit
- Rainfall alarm • Daily alarm
- Indoor temperature display with °F/°C switch
- Min/Max temperatures

*See page I-83 for additional information*

**Digital Camera Scopes**

---

**Complete Family of Video Borescopes**

## Portable, Wireless Data Logging Video Borescope System

**Features ultra-slim 5.5mm diameter probe, 3.5 in. color monitor and powerful recording capability of sound, image and video. Optional super-slim 3.9mm diameter probe available.**

### Applications:

- Government, Military, Security
- Infrastructure Inspection and Maintenance
- Aircraft Maintenance and Inspection
- Automotive Maintenance
- MRO / Industrial Inspection
- Inspection of Complex Machinery
- Oil, Power and Petro Industry Inspection Applications
- Inspection of Tooling Dies

### Features:

- Records audio, video and still images
- Wireless image and video transfer
- 3.3 ft. (1m) long, 5.5mm diameter obedient probe that retains required shape
- Optional 3.9 mm diameter ultra-slim probe
- Adjustable super-strength white LED lights inside the tip for optimized illumination
- Water, oil, dust and scratch resistant probes (IPX7)
- 3.5 in. extra-wide, color TFT monitor with super sharp clarity
- Instant playback review
- Optional Click 'N Measure software accessory for sophisticated target analysis
- Multiple language menu
- TV monitor and USB computer interfaces
- Rechargeable internal batteries

### Benefits:

- Wireless imaging allows inspection results to be sent to a larger screen up to 150 ft. away for team based analysis
- Wireless camera probe enables access to the smallest and most inaccessible places
- Ultra slim probes with powerful video camera and LED lights in the tip enable user to inspect the tiniest spaces
- Optional 3.9mm diameter camera tipped probe is the slimmest on the market and enables easy access through the spark plug hole of any engine including diesel
- View findings in real-time or record video and still images for output later
- Rechargeable batteries can record for 4 hours and will help you stay "Green"
- Interchangeable accessories provide additional function
- More value for your investment



No. DCS1800



### Includes:

- |  |                        |
|--|------------------------|
| • Hard, Waterproof Blow Mold Case                          | • LCD Cleaning Cloth   |
| • 5.5mm, 3.3 ft. (1m) Obedient Probe                       | • AC Adapter/Charger   |
| • 2GB SD Card  | • Rechargeable battery |
| • 3 Interchangeable Mirrored Viewing Tips (70°, 90°, 110°) | • Instruction Manual   |
| (See back page for accessories)                            |                        |

### DCS1800 and DCS1600 Specifications:

#### Camera Tipped Probe:

5.5mm Diameter Standard, 3.9mm Optional

#### Probe Length:

3.3 ft. (1m) Standard, Up to 98 ft. (30m)  
Optional, 5.5mm Only

**Display:** 3.5 in. Color TFT

**Display Monitor:** 320 x 240 Pixels

**Probe Feature:** Water, Oil & Dust  
resistant (IPX7)

**Field of View:** Horizontal field angle – 46°  
Vertical field angle – 34°  
Diagonal field angle – 56°

**Depth of Field (DOF):** 0.4 to 2.4 in. (1 to 6cm)

**Audio:** (DCS1800 Only) Integrated microphone

#### Wireless Transceiver Frequency:

(DCS1800 Only) 2.4GHz  
4 Channels (2414MHz, 2432MHz, 2450MHz, 2468MHz)

#### System Power:

Battery: Rechargeable Li-Polymer Battery 3.7V  
Power Supply: AC 100-240V 50-60Hz  
Power Consumption: DC5.5 1.8A

**Recording Medium:** 2GB SD Card

# Data Logging Video Borescope Systems

## High-Performance, Data Logging Video Borescope System

**Features ultra-slim 5.5mm diameter probe,  
3.5 in. color monitor and powerful recording capability.  
Optional super-slim 3.9mm diameter probe available.**

### Applications:

- Aircraft Maintenance and Inspection
- Military
- Law Enforcement
- Automotive
- Diesel
- HVAC/R including Air Conditioning, Furnaces and Heat Exchangers
- Other High Level Inspection

### Features:

- 3.3 ft. (1m) long, 5.5mm diameter obedient probe that retains required shape
- Optional 3.9mm diameter ultra-slim probe
- Adjustable super-strength white LED lights inside the tip for optimized illumination
- Water, oil, dust and scratch resistant probes (IPX7)
- 3.5 in. extra-wide, color TFT monitor with super sharp clarity
- Records video and still images
- Instant playback review
- Optional Click 'N Measure software accessory for sophisticated target analysis
- 3 Interchangeable angled viewing tips provide extra wide view angle at 70°, 90°, 110°
- Multiple language menu
- TV monitor and USB computer interfaces
- Rechargeable internal batteries

### Benefits:

- Ultra-slim probes with powerful video camera and LED lights in the tip enable user to inspect the tiniest spaces
- Optional 3.9mm diameter camera tipped probe is the slimmest on the market and enables easy access through the spark plug hole of any engine including diesel
- View findings in real-time or record video and still images for output later
- Rechargeable batteries can record for 4 hours and will help you stay "Green"
- Interchangeable accessories provide additional function
- More value for your investment

### Includes:

- Hard, Blow Mold Case
- 5.5mm, 3.3 ft. (1m) Obedient Probe
- 2GB SD Card
- 3 Interchangeable Mirrored Viewing Tips (70°, 90°, 110°)
- LCD Cleaning Cloth
- AC Adapter/Charger
- Rechargeable Battery
- Instruction Manual
- One Year Warranty



No. DCS1600

CE RoHS



(See back page for accessories)

### DCS1800 & DCS1600 Specifications (cont.):

**Video Out Format:** NTSC & PAL

**Interface:** AV Out

**Compression Format:** Compliant with MPEG4

**Image Resolution:** 640 x 480 Pixels

**Video Resolution:** 320 x 240 Pixels

**Frame Rate:** ~30 fps

**Exposure:** Automatic

**White Balance:** Fixed

**S/N Ratio:** 42dB or more

**Languages:** English, German, French, Portuguese

**Operating Environment:** -4° to 140°F (-20° to 60°C)

**Storage Environment:** -4° to 140°F (-20° to 60°C)

**Recharge Environment:** 32° to 104°F (0° to 40°C)

### Interchangeable Options:

- **3.9mm Diameter Super-Slim Probe:** No. P1839 2.46 ft. (0.75mm), Obedient
- **Click 'N Measure Software** No. DCS1618M
- **Set of 3 Mirrored Viewing Tips** No. PM003 (70°, 90°, 110°)

# Data Logging Video Borescope Systems

## Articulating, Wireless, Data Logging Video Borescope System



No. DCS1800ART

No. P18ART-1SM  
(probe only)

CE FC RoHS



### Applications:

- Ideal for aircraft maintenance, machinery and production line inspection, petro-chemical and power plant inspection, general MRO and facility management

### Features:

- One-handed articulation function allows user to turn the probe tip to inspect targets located at sides or at an angle while it is inside a tight space
- Turning knob and lock-button are ergonomically-engineered, and offer one-handed easy control to the probe tip to view targets from ideal angle
- Durable material and construction: all components pass 60,000 cycle test

### Specifications:

- Articulation Angle: 2 way
- Articulation Sweep: 0 to  $\pm 120^\circ$
- Probe Types:  
**P18ART-1SM:** 1m, articulating, soft metal probe for DCS1800 Systems  
**P16ART-1SM:** 1m, articulating, soft metal probe for DCS1600 Systems

## Articulating, Data Logging Video Borescope System



No. DCS1600ART

Articulation Sweep: 0 to  $\pm 120^\circ$ 

CE RoHS

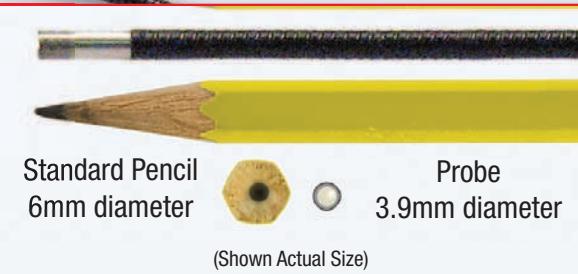
No. P16ART-1SM  
(probe only)

# Borescope System Options

## Optional 3.9mm Probe

No. P1839

**NEW!**



### Applications:

3.9mm optional probe is now available for DCS1800 and DCS1600. This probe is the world's slimmest with a video camera and adjustable LED lights imbedded in the tiny head. It is ideal for inspection of tiny spaces in aircraft inspection, engine check up and other high-demand industrial inspection applications.

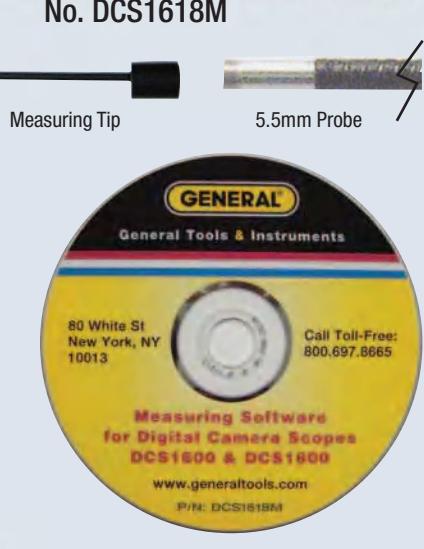
### Features:

- 3.9mm diameter probe, 0.75m (2.5 ft.) in length, compatible with DCS1800 and DCS1600
- This optional probe is water, dust and oil proof (IPX7)
- The probe is also obedient, meaning it retains the shape a user needs

## Click N' Measure Analysis Software and Measuring Tip

No. DCS1618M

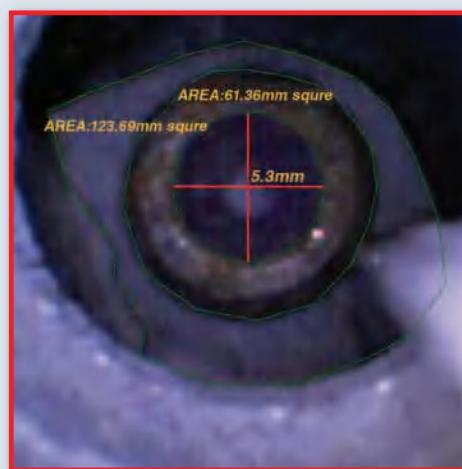
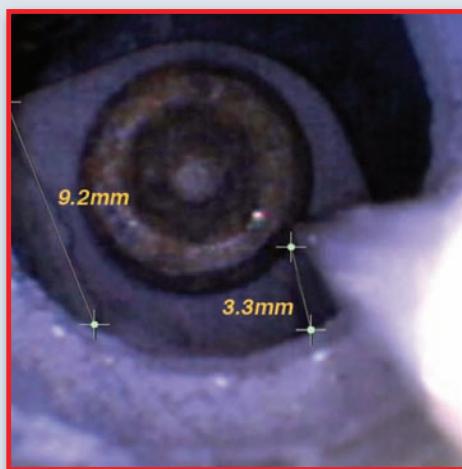
**NEW!**



### Applications and Features:

Click 'N Measure analysis software and measuring tip for the 5.5mm probe is now available for DCS1800 and DCS1600. This option gives users a cost-effective way to calculate size, angles and areas of defects automatically on a computer.

- Attach the measuring tip to the end of the probe
- Point and click with the precision measuring tip touching the area of the defect
- Using the Analysis Software to analyze recorded images on a computer, it automatically calculates the size and area of the defect
- Inch or mm selectable





## THE SEEKER™ 400

## THE SEEKER™ 495

### Wireless Data Logging Video Inspection Systems

**Compact Video Borescope Systems for the Visual Inspection of Inaccessible Areas**

#### Applications:

- Ideal for: Automotive, Plumbing, Construction and Restoration, HVAC/R, and any other Inspection of Hard-To-Reach and Hard-To-See Areas

#### Two Systems Are Available:

- The **DCS400** comes with a 17mm diameter probe suitable for HVAC/R, plumbing and general inspection
- The **DCS495** comes with a 9.5mm diameter probe suitable for automotive, electrical, and other inspections that require a thinner probe
- Both probes are 3.28 ft. (1m) long, flexible, obedient and waterproof to IP67 standards
- Optional probe extensions 2.9 ft. (.9m) long are available for the 17mm probe to extend its length up to 18 ft. (5.5m)

#### Features:

- 3.5 in. (88.9mm) TFT-LCD Wireless Color Monitor, can be detached from the unit for remote viewing up to 32.8 ft. (10m) away
- Adjustable LED lighting inside the tip of the probe illuminates dark spaces for clear inspection
- Datalogs and records in still photo (JPEG) and video (AVI), up to 3 hours or view it live
- NTSC or PAL compatible
- Choices of 10 menu languages: English, Chinese, German, French, Spanish, Dutch, Portuguese, Italian, Japanese and Russian

#### Specifications:

##### CAMERA:

**Transmission Range:** 32.8 ft. (10m) clear field

**Transmission Frequency:** 2468MHz

**Resolution:** 712 x 486 Pixels (NTSC) (**DCS400**)  
704 x 576 Pixels (PAL) (**DCS400**)  
640 x 480 Pixels (**DCS495**)

**Depth of Field (DOF):** 5.9 to 9.8 in. (150 to 250mm)

**Field of View:** 50° (**DCS400**), 45° (**DCS495**)

**Camera Tipped Probe:** 17mm Diameter, Standard  
9.5mm Diameter, Optional

**Probe Length:** Standard: 3.3 ft. (1m)

**Optional Probe:** 9.5mm Diameter, Obedient

**Optional 17mm Probe Extensions:** Up to 18 ft. (5.5m)

**Dimensions:** 7.3 x 5.7 x 1.6 in. (186 x 145 x 41mm)

**Weight:** 18.7 oz. (530g) (**DCS400**)

15.8 oz. (450g) (**DCS495**)

##### MONITOR:

**Display:** 3.5 in. (88.9mm) Color TFT LCD Screen

**Resolution:** 320 x 240 Pixels

**Video Output Level:** 0.9 to 1.3V@75W

**Video/Image Resolution:**

960 x 240 Pixels (AVI format)

640 x 480 Pixels (JPEG format)

**CE/FCC Approvals:** Yes

**Power Source:** 4 "AA" batteries (included)

**Dimensions:** 3.9 x 2.7 x 1 in. (100 x 70 x 25mm)

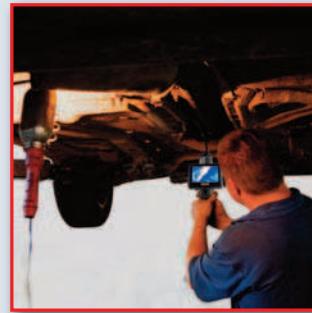
**Weight:** 4.9 oz. (140g)

**Warranty:** 1 year

CE

FCC

No. DCS495  
No. DCS400  
(shown)



#### Includes:

- Hard, Blow Mold Case
- 17mm Diameter, 3.3 ft. (1m)  
Obedient Probe (**DCS400**)
- 9.5mm Diameter, 3.3 ft. (1m)  
Obedient Probe (**DCS495**)
- 1GB MicroSD Memory Card
- 3 Extension Tools:  
(Mirror, Magnet, Pick-Up Hook)
- USB and Video Interconnect Cables
- Magnetic Base Stand
- AC Adapter/Charger
- 3 Interchangeable Mirrored Viewing Tips  
(70°, 90°, 110°)
- 4 "AA" Batteries
- Mini-Screwdriver
- Instruction Manual
- One Year Warranty

(See back page for accessories)

# Video Inspection Systems

## THE SEEKER™ 200 THE SEEKER™ 300

### Video Inspection Systems

**Compact Video Borescopes for the Visual Inspection of Inaccessible Areas**

#### Applications:

- Ideal for: Automotive, Electrical, Plumbing, HVAC/R and MRO Maintenance

#### Features:

- DCS200:** 2.4 in. (70mm) color LCD screen for crystal clear image
- DCS300:** 3.5 in. (88.9mm) color LCD screen for crystal clear image
- 12mm diameter camera-tipped probe is flexible and strong with built-in adjustable LED lighting, and is slim enough to perform automotive engine check-up
- Flexible probe retains configured shape to suit different inspection needs
- Probe is water, oil and dust proof to IPX7
- Probe Length: Standard: 3.3 ft. (1m)  
Optional: 1m, 2m and 3m probe extensions for up to 5m (16.4 ft.)
- View findings instantaneously
- Mirror, magnet and pick-up hook

#### Specifications:

- Display:** DCS200: 2.4 in. (70mm) Color LCD  
DCS300: 3.5 in. (88.9mm) Color LCD
- Resolution:** 320 × 234 Pixels
- Camera-Tipped Probe:** 12mm Diameter
- Probe Length:** Standard: 3.3 ft. (1m)  
Optional: 1m, 2m and 3m probe extensions for up to 5m (16.4 ft.)
- Depth of Field (DOF):** .98 to 11.8 in.  
(25 to 300mm)
- Field of View:** 60°
- Light Source:** 2 Adjustable High Intensity LEDs
- Working Temperature:** 32° to 113°F (0° to 45°C)
- Power Source:** 1 "9V" battery (included)



CE

No. DCS200  
No. DCS300  
(shown)



DCS300 Display: 3.5 in. (88.9mm)



DCS200 Display: 2.4 in. (70mm)

#### Includes:

- Hard, Blow Mold Case
- 3.3 ft. (1m) Flexible Probe
- 3 Extension Tools:  
(Mirror, Magnet, Pick-Up Hook)
- 1 "9V" Battery
- Mini-Screwdriver
- Instruction Manual
- One Year Warranty



(See back page for accessories)

# Digital Camera Scopes/Accessories

## Video Inspection Scopes

Model #	UPC	Screen Size	Data Logging	Wireless	Audio	Included Probe	Size	Weight
DCS1800	01297 0	3.5 in.		✓	✓	P1618-1SR	17.25 x 15.38 x 6.88 in. (438 x 390.7 x 174.8)	147 oz. (2466.4g)
DCS1800ART	01417 2	3.5 in.		✓	✓	P18ART-1SM	17.25 x 15.38 x 6.88 in. (438 x 390.7 x 174.8)	147 oz. (2466.4g)
DCS1600	01305 2	3.5 in.	✓			P1618-1SR	21.63 x 12.25 x 3.75 in. (549.4 x 310 x 95.25)	87 oz.(4167.4g)
DCS1600ART	01416 5	3.5 in.	✓			P16ART-1SM	21.63 x 12.25 x 3.75 in. (549.4 x 310 x 95.25)	87 oz.(4167.4g)
DCS495	01400 4	3.5 in.	✓	✓		P400-95	7.3 x 5.7 x 1.6 in. (186 x 145 x 41mm)	15.8 oz. (450g)
DCS400	01371 7	3.5 in.	✓	✓		P400-1	7.3 x 5.7 x 1.6 in. (186 x 145 x 41mm)	18.7 oz. (530g)
DCS300	01373 1	3.5 in.				P230-1	15.25 x 11.38 x 3.38 in. (387.3 x 289 x 85.9mm)	78 oz. (2211.2g)
DCS200	01372 4	2.5 in.				P230-1	15.25 x 11.38 x 3.38 in. (387.3 x 289 x 85.9mm)	102 oz. (2891.7g)

## Probes, Extensions and Accessories

Part #	UPC	Length	Description	Diameter
P1839	01396 0	.75m (2.5 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	3.9mm
P1618-1SR	01379 3	1m (3.3 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-2SR	01380 9	2m (6.6 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-3SR	01381 6	3m (9.8 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-1SM	01382 3	1m (3.3 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-3SM	01383 0	3m (9.8 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-5SM	01357 1	5m (16.4 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-10SM	01384 7	10m (32.8 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-30SM	01385 4	30m (98.4 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P18ART-1SM	01419 6	1m (3.3ft.)	Articulation, Soft Metal Probe for DCS1800 Systems	5.5mm
P16ART-1SM	01418 9	1m (3.3ft.)	Articulation, Soft Metal Probe for DCS1600 Systems	5.5mm
DCS1618M	01395 3		Click 'N Measure software and measuring tip for DCS1800 and DCS1600	
PM003	01370 0		Set of 3 mirrors for DCS1800 and DCS1600: 70°, 90°, 110°	
P400-1	01393 9	1m (3.3 ft.)	Obedient replacement probe for DCS400 w/camera and LEDs	17mm
P400-1X	01394 6	.9m (2.9 ft.)	Obedient probe extension for DCS400	17mm
P400-95	01399 1	1m (3.3 ft.)	Obedient replacement probe for DCS400 w/camera and LEDs	9.5mm
P230-1	01386 1	1m (3.3 ft.)	Obedient replacement probe for DCS200/300, w/camera and LEDs	12mm
P230-1X	01387 8	1m (3.3 ft.)	Obedient probe extension for DCS200/300	12mm
P230-2X	01390 8	2m (6.6 ft.)	Obedient probe extension for DCS200/300	12mm
P230-3X	01391 5	3m (9.8 ft.)	Obedient probe extension for DCS200/300	12mm

Probe  
Diameters  
(mm)

 3.9

 5.5

 9.5

 12

 17

**INSPECTION/SECURITY  
I-5 – I-12**

Fiber optic scopes / Camera scopes  
Camera extensions and accessories

**MOISTURE/TEMPERATURE  
& HUMIDITY I-14 – I-28**

Moisture meters  
Agricultural moisture meters  
Data logging thermo-hygrometers  
Psychrometers / Thermo-hygrometers  
Thermo-hygrometers  
Heat index monitors  
Psychrometers / Analog humidity calculator  
Thermo hygrometers  
Analog thermo-hygrometers  
Data loggers / Printer

**TEMPERATURE I-30 – I-48**

Infrared thermometers  
Digital thermometers  
Professional hand-held thermometers  
“K” type probes  
Digital stem thermometers  
Analog / Digital food service thermometers  
Indoor / Outdoor thermometers  
Wireless temperature / Humidity  
Panel meters / Aquarium thermometer

**SAFETY I-49 – I-59**

Gas detectors  
Refrigerant leak detectors  
Indoor air quality (IAQ)  
Sound meters  
Light meters  
UV meters  
EMF  
Microwave leakage / Water alarm

**INDUSTRIAL I-60 – I-73**

Manometers / Pressure / Digital scale  
Vacuum / Torque / Vibration meters  
Hardness / Thickness testers  
Refractometers  
Tachometers  
Anemometers / Outdoor / Mini

**AGRICULTURE I-74 – I-75**

Fruit hardness / Soil Grain Moisture  
Stem thermometers

**WATER QUALITY I-76 – I-80**

Meters pH / Conductivity /  
Replacement probes  
Water purity / chlorine

**WEATHER I-81 – I-86**

Barometers  
Rain gauges  
Weather stations  
Weather radio / Lightning detectors

**TIME I-87 – I-93**

Digital and analog clocks / Timers  
Stopwatches

**ELECTRICAL I-94 – I-102**

Amp clamps  
Multimeters  
Voltage testers  
Starter switch / Test leads

**ACCESSORIES I-103 – I-104**

Moisture/temperature/humidity replacement probes  
Psychrometer replacements wicks/  
thermometers  
Water quality meter replacement probes  
Refrigerant leak detector sensors  
Airflow meter replacement vanes  
Camera probes, extensions & accessories  
Software kits AC adapters Black light  
Instrument case Tool bag  
Calibration salts Replacement batteries



MM70



MM70D

- Includes:
- 1 MM70D Meter with two .5 in. (12.7mm) pins
  - 1 MP7021 External Pin Type Probe 39 in. (1m) long with .5 in. (12.7mm) pins
  - Additional Set of Interchangeable Long Pins .9 in. (23mm)
  - Protective Fabric Carrying Case
  - User's Manual



MMD7003

## FEATURES

## PRECISION LED MOISTURE METER WITH SIGNAL OUTPUT

Precision instrument for accurate moisture reading in wood and timber.

- 1% Accuracy
- High Resolution Multi-color LED bar graph readout 5.5% to 99.9% moisture range
- Protective cap for safe carrying and operation
- Auto temperature compensation and calibration adjustment
- 99 Point memory
- Ergonomic design, comfortable and durable
- Convertible to non-invasive measuring by adding optional MP7002 probe
- Audible Alarm starts for catch reading
- Audible and visual low battery warning
- Additional set of long pins .9 in. (23mm) included
- CE and RoHS approved

UPC	NO.
07020 8	MM70
70604 6	MP7021 External Pin Type Probe 39 in. (1 meter) long (Replacement)
07070 3	MP7022 External Roller-Type Probe 39 in. (1 meter) long (Optional)

## SPECIFICATIONS

## PRECISION LED MOISTURE METER WITH SIGNAL OUTPUT

- ♦ Measuring Range: 5.5 to 99.9% H<sub>2</sub>O %WME
  - ♦ Accuracy (at 25°C): ±1% Wood Scale
  - ♦ Indicator: LED bar graph
  - ♦ Color Codes: Green (<16%) Yellow/Red (>21%)
  - ♦ Signal Output: 0 to 1Vdc 10mV%
  - ♦ Calibration: Automatic Temperature compensation
  - ♦ Built-in calibration adjustment
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- 1 MM70 Meter with .5 in. (12.7mm) pins
  - 1 MP7021 External Pin Type Probe 39 in. (1 meter) long with .5 in. (12.7mm) pins
  - Additional Set of Interchangeable Long Pins .9 in. (23mm)
  - Protective Fabric Carrying Case
  - User's Manual

## PRECISION DIGITAL MOISTURE METER WITH SIGNAL OUTPUT

Precision digital instrument for accurate moisture reading in wood and timber.

- 1% Accuracy
- Digital LCD display with luminescent back-light
- Protective cap for safe carrying and operation
- Hardened gloss treatment on display-window for an abrasion-proof long-term clean lens
- 5.5% to 99.9% moisture range with DC 0~1V output
- Stores up to 99 readings, Max/Min average values recalled
- Auto temperature compensation and internal calibration
- Auto power off
- Ergonomic design, comfortable and durable
- Easy operation
- Audible and visual low battery warning
- Interchangeable extension probe
- Additional set of long pins .9 in. (23mm) included
- CE and RoHS approved

- ♦ Measuring Range: 5.5 ~ 99.9% H<sub>2</sub>O %WME
- ♦ Resolution: 0.1%
- ♦ Accuracy: (at 25°C) ±1% Wood scale
- ♦ Display: Digital dual LCD display, with multi-function indicator
- ♦ Sampling Rate: 0.3 seconds
- ♦ Wood group scales: Select from 8 wood species groups
- ♦ Data memory: 99 readings
- ♦ Signal output: Analog DC 0 ~ 1V (10 mV / 1%), load > 500Ω
- ♦ Calibration: Built-in calibration adjustment
- ♦ Power: About 250 hours for continuing use (none back light)
- ♦ Operating: -20° to 55°C, <90%RH, non-condensing
- ♦ Dimensions: 6.0 x 2.2 x 1.26 in. (153 x 56 x 32mm)
- ♦ Weight: 5.5 oz. (155g) including battery
- ♦ Power Source: 1 "9V" battery (included)

UPC	NO.
07010 9	MM70D
70604 6	MP7021 External Pin Type Probe 39 in. (1 meter) long (Replacement)
07070 3	MP7022 External Roller-Type Probe 39 in. (1 meter) long (Optional)

## PRECISION DIGITAL &amp; LED MOISTURE METER

Use to measure moisture content in wood, timber and concrete.

- Wood material: 6% to 40% moisture content
- Concrete material: 0% to 100% moisture content
- Measures temperature
- Red LED bar graph indicator with LCD display
- Easy Operation
- Replaceable Tips
- Hold, Record (Min/Max)

- ♦ Pin length: .5 in.
- ♦ Power Source: 1 "9V" battery (not included)

- Includes:
- Extra pins
  - Protective cover
  - User's Manual

UPC	NO.
07003 1	MMD7003
01255 0	MP7003 External Pin Type Probe (Optional)



**FEATURES****SPECIFICATIONS****ALL-IN-ONE DELUXE MOISTURE METER KIT COMPLETE WITH PIN-TYPE AND NON-INVASIVE ROLLER-TYPE PROBES**

Precision digital moisture meter for highly accurate readings in wood, timber and many other materials.

- Digital LCD display with luminescent back-light
- Protective cap for safe carrying and operation
- Hardened gloss treatment on display window for an abrasion-proof long-term clean lens
- 5.5% to 99.9% moisture range with DC 0~1V output
- Stores up to 99 readings, Max/Min average values recalled
- Auto temperature compensation and internal calibration
- Auto power off
- Ergonomic design, comfortable and durable
- Easy operation
- Audible and visual low battery warning
- Interchangeable extension probes
- CE and RoHS approved



- ◆ Measuring Range: 5.5 to 99.9% H<sub>2</sub>O% WME
- ◆ Resolution: 0.1%
- ◆ Accuracy: (at 25°C) ±1% Wood scale
- ◆ Display: Digital dual LCD display, with multi-function indicator
- ◆ Sampling Rate: 0.3 seconds
- ◆ Wood Group Scales: Select from 8 wood species groups
- ◆ Data Memory: 99 readings
- ◆ Signal Output: Analog DC 0 ~ 1V (10 mV/1%), load >500V
- ◆ Calibration: Built-in calibration adjustment
- ◆ Power: About 250 hours for continuing use (without back-light)
- ◆ Operating: -4° to 122°F (-20° to 55°C), <90%RH, non-condensing
- ◆ Dimensions: 6.0 x 2.2 x 1.26 in. (153 x 56 x 32mm)
- ◆ Weight: 5.5 oz. (155g) including battery
- ◆ Power Source: 1 "9V" battery (included)



MM70D-7022KIT



Kit includes: 1 each

- **MM70D** Precision LCD Moisture Meter with Interchangeable Pin-Type Probes
- **MP7021** External Interchangeable Pin-Type Probe
- **MP7022** External Roller-Type Probe
- Additional Set of Extension Pins
- User's Manual

**UPC**      **NO.**  
01292 5      MM70D-7022KIT

**MP7003**  
Shown with optional  
MP7003 probe



MP7021



MP7022

**PROBE ACCESSORIES**

UPC	NO.	DESCRIPTION
01255 0	MP7003	External Pin Type Probe for MMD7003
70604 6	MP7021	External Pin Type Probe for MM70, MM70D
07070 3	MP7022	Roller Type Probe for MM70, MM70D



MM1E

CE  
RoHS

## FEATURES

**LED MOISTURE METER**

Ideal to use in woodworking, building construction and agriculture. Meter is also used in the restoration business to check if there is moisture in carpets and sub-flooring.

- LED Display
- Check wood, drywall and concrete before painting, sealing or treating
- Locate and identify water leaks in roofs, floors and walls
- Ideal for selecting dry lumber
- Great for home owners, contractors and inspectors
- CE and RoHS approved



## SPECIFICATIONS

- ♦ Display: Progressive LED's, 3 Green (5, 10, 12%); 2 yellow (14, 16%); Red (18, 20, 22%)
  - ♦ Range: 8-22%
  - ♦ Resolution: 0.1%
  - ♦ Accuracy: ±2%
  - ♦ Sampling Rate: 1s
  - ♦ Operating Environment: 32° to 122°F (0° to 50°C), RH<90%
  - ♦ Dimensions: 5.7 x 2.4 x 1.2 in. (145 x 60 x 30mm)
  - ♦ Weight: 4.4 oz. (125g)
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- Protective Cover
  - Instruction Manual

UPC  
10188 9NO.  
MM1E

MMD4E

CE

**DIGITAL/LCD/LED MOISTURE METER**

Ideal for contractors and homeowners to accurately measure moisture content in wood, concrete, drywall, subflooring and other construction materials.

- Accurately and professionally measure moisture in wood and building materials including brick, concrete, drywall, plaster, wood and lumber
- Strong stainless steel pins
- Audible alarms
- Battery status indication
- Hold button to freeze/hold reading
- Ergonomically designed
- CE approved



- ♦ Measuring range:  
Wood: from 5% – 50%  
Building material: from 1.5% – 33%
  - ♦ Resolution: 0.1%
  - ♦ Accuracy: ±3%
  - ♦ Audible alarm: 8 different tones level
  - ♦ Auto power off: 3 minutes
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- Protective Cover
  - User's Manual

UPC  
41447 7NO.  
MMD4E

MM80G

CE  
RoHS**PROFESSIONAL WOOD AND CONSTRUCTION MOISTURE METER**

Use to measure moisture content in wood, timber, concrete and other construction materials.

- Detects moisture in soft construction materials such as gypsum or plaster and wood
- Easy to use
- Ergonomic design
- Illuminated LCD with bar graph display
- Measured value can be read quickly from the large clear dual scale
- Protective cap with self-test function
- Auto power off
- Low battery display
- CE and RoHS approved

- ♦ Range/Accuracy: Wood: 0 - 44% / ±2%  
Building materials: 0.2 to 2.2% / ±0.4%
- ♦ Operating Environment: 32° to 104°F (0° to 40°C), RH: <85%
- ♦ Power Source: 3 "CR2023" batteries (included)

Includes:

- Instruction Manual

UPC  
01306 9NO.  
MM80G

## FEATURES

## SPECIFICATIONS

**PRECISION DIGITAL MOISTURE METER WITH RS232 OUTPUT**

Precision digital instrument for accurate moisture reading in a wide variety of material and commercial/industrial applications.

- High accuracy, Auto temperature compensation
- Auto/Manual Power off
- Hold/Min/Max
- 8 wood calibration scales for different types of wood
- Built-in calibration (CAL) function; user adjustable
- Stores up to 99 readings, Max/Min average values recalled
- Water/dust-proof, Easy to operate, Long-term stability
- Auto Calibrate
- Low Battery warning
- Additional set of long pins .9 in. (23mm) included
- CE and RoHS approved

Includes:

- 1 **MM700D** Meter with .5 in. (12.7mm) pins
- 1 **MP7011** External Pin Type Probe 39 in. (1m) long with .5 in. (12.7mm) pins
- Additional Set of Interchangeable Long Pins .9 in. (23mm)
- Hard Carrying Case • User's Manual

**PROBE ACCESSORIES**

UPC	NO.	DESCRIPTION
07040 6	<b>MP7011</b>	External Pin Type Probe for MM700D
07050 5	<b>MP7012</b>	Roller Type Probe for MM700D

- ◆ Measurement range: % WME 5.5 ~ 99.9%
- ◆ Accuracy: (at 25°C) ±1%
- ◆ Resolution: 0.1%
- ◆ Operation Range: 14° to 122°F (-10° to 50°C) (with temp compensation)
- ◆ 8 wood calibration scales (choose from "MODE" key)
- ◆ Data memory: 99 readings
- ◆ Sample rate: Approx. 1 reading/Sec.
- ◆ Battery Life: Approx. 250 hours (continuous usage)
- ◆ Dimensions:  
Meter: 6.6 x 3.0 x 1.3 in. (168 x 73 x 33mm)  
Pins: Length: 4.7 in. (120mm)  
Cable: 39 in. (1m) (Pin Type)
- ◆ Weight: Approx. 6.3 oz. (180g) including battery
- ◆ Power Source: 1 "9V" battery (included)

## UPC NO.

70307 6	<b>MM700D</b>
70604 6	<b>MP7011</b> External Pin Type Probe 39 in. (1m) long (Replacement)
07070 3	<b>MP7012</b> External Roller-Type Probe 39 in. (1m) long (Optional)



CE  
RoHS

MM700D



MP7011



MP7012

**NON-INVASIVE DIGITAL MOISTURE METER**

Ideal for use in wood/timber industry, and building material storage.

- Moisture display on LCD
- Data hold to freeze reading and display
- Auto calibration
- Low battery indication
- Sense 6 different materials including 50 types of wood/timber
- Audible sound at 'peak' detection
- Auto power off
- CE and RoHS approved

- ◆ Measuring moisture from 0.0% to 99.9% with 10 different groups
- ◆ Resolution: ±1 digit
- ◆ Sense depth maximum: 3/4 in. (20mm)
- ◆ Power Source: 1 "9V" battery (included)

Includes: • User's Manual

## UPC NO.

40142 2 **MMD5NP**

CE  
RoHS



MMD5NP

**MICRO-PROCESSOR NON-INVASIVE MOISTURE METER**

Precision instrument for highly sensitive and non-invasive measurement of moisture content in wood, timber and other industrial applications.

- High accuracy
- Fast measuring time
- Wide measuring range and high resolution
- High resolution digital display
- Zero value and correction value can be stored
- Strong, light weight ABS-plastic housing
- Comfortable fit for either hand

- ◆ Display: 3 digits, 10mm LCD
- ◆ Range: 0 to 80%
- ◆ Resolution: 0.1%
- ◆ Accuracy: ±(1%n+1) under 30%, ±(2%n+1) over 30%
- ◆ Sampling time: 1 sec.
- ◆ Operating condition:  
Temperature: 0° to 50°C, Humidity: <80%
- ◆ Dimensions:  
8.6 x 3.0 x 2.1 in. (218 x 76 x 53mm)
- ◆ Weight: 9.2 oz. (260g) (with batteries)
- ◆ Power Source: 4 "AAA" batteries (included)

Includes: • Carrying Case • User's Manual

## UPC NO.

40143 9 **MMD6NP**

CE  
RoHS



MMD6NP

# MOISTURE/TEMPERATURE & HUMIDITY

## Agricultural Moisture Meters

GENERAL®



CE  
RoHS  
DSMM500

### FEATURES

#### PRECISION DIGITAL SOIL MOISTURE METER WITH PROBE

Agricultural professional use.

- Soil moisture content measurement
- Heavy duty probe
- Probe length: 8 in. (203mm)
- Easy operation
- Hold, Record (Min/Max)
- IP-65 Water resistance
- Heavy duty
- CE and RoHS approved

### SPECIFICATIONS

- ♦ Range: 0-50% moisture content
- ♦ Power Source: 4 "AAA" batteries (not included)

UPC      NO.  
01240 6    DSMM500



MM6012

#### MICRO-PROCESSOR GENERAL PURPOSE MOISTURE METER

Ideal for testing moisture content of a wide variety of material.

- Microprocessor design
- Large LCD display
- 4 digit display
- Compact, light weight and easy to use
- Test water ratio percentage of wood fiber, wooden articles, tobacco, cotton, paper, etc.

- ♦ 0 - 50% moisture
  - ♦ Range: 0° to 122°F (-10° to 80°C)
  - ♦ Resolution: 0.1
  - ♦ 3-1/2 ft. wire cord
  - ♦ 6 in. probe
  - ♦ Power Source: 4 "AA" batteries (included)
- Includes:
- Hard case
  - Instructions

UPC      NO.  
10195 7    MM6012

#### GRAIN MOISTURE METER

Ideal for use in grain storage and other industrial settings.

- Microprocessor design
- Large LCD display
- 4 digit display
- Rugged construction
- Light weight

- ♦ 8 - 20% moisture
  - ♦ Range: -0° to 122°F (-10° to 80°C)
  - ♦ 4 ft. wire cord
  - ♦ 1 ft. probe
  - ♦ Power Source: 4 "AA" batteries (included)
- Includes:
- Hard case
  - Instructions
  - 1 steel dual probe with 3 ft. cord

UPC      NO.  
10197 1    MMG608

MMG608



**FEATURES****BRIGHT RED JUMBO DISPLAY DATA LOGGING LED TEMPERATURE/HUMIDITY MONITOR**

Ideal for temperature, humidity monitoring, and control in lab, computer rooms, clean rooms, and other critical areas.

- Complete environmental monitor and alarm
- Wall-Mounted, LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Data Logging Capacity 30,000 records
- LED displays real-time data
- USB interface
- Optional probe LRTH185DLP
- CE and RoHS approved

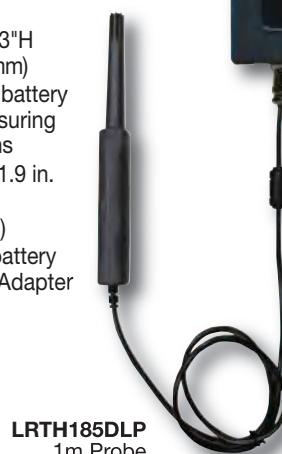
UPC	NO.
01312 0	LRTH185DL
01365 6	LRTH185DL1 with 1 meter probe
01364 9	LRTH185DLP 1 Meter Probe



LRTH185DL

**SPECIFICATIONS**

- ◆ Temperature range: -4° to 140°F (-20° to 60°C)
- ◆ Temperature accuracy: ±1.8°F (1.0°C), (23° to 104°F / -5.0° to 40.0°C); ±3.6°F (2.0°C) (other)
- ◆ Temperature resolution: 0.1°F (0.1°C)
- ◆ Temperature update rate: times/second
- ◆ Temperature sensor type: Diode
- ◆ RH range: 5% to 95%
- ◆ RH accuracy: ±2.0%RH (at 25°C, 35% to 80%RH), ±2.5% (at 25°C, 10% to 35%RH, 80% to 90%RH) other ±5.0%RH (at 25°C), <10%RH, >90%RH)
- ◆ Relative Humidity resolution: 0.1RH
- ◆ Relative Humidity response time: below 4 seconds
- ◆ LED display: 8.4" W x 4.73" H (214 x 120mm)
- ◆ Battery backup: 1 "9V" battery enables continued measuring during power disruptions
- ◆ Dimensions: 10.2 x 7 x 1.9 in. (260 x 178 x 47mm)
- ◆ Weight: 35.3 oz. (1000g)
- ◆ Power Source: 1 "9V" battery (included) or AC to DC Adapter (9V/1A)

LRTH185DLP  
1m ProbeLRTH185DL1  
Shown complete  
with LRTH185DLP  
1m probe**HIGH ACCURACY DATA LOGGING THERMO-HYGROMETER**

1% RH accuracy and large red LED display makes it ideal for process control, labs and other critical areas.

- Dual LCD Display
- Displays both Temperature and RH
- Measures both °F/°C
- Real-time data
- Data Hold Function
- Alarm Function
- Dew-Point and Wet-Bulb Temperature
- USB PC interface
- CE and RoHS approved

Includes:

- Instruction Manual
- Carrying Case
- MINI USB 4P (MALE) to USB A Type cable
- CD Software

UPC	NO.
01315 1	DTH184DL

- ◆ Temperature: -4° to 140°F (-20° to 60°C)  
±1.8°F (0.5°C) (32° to 104°F / 0° to 40°C)  
±3.6°F (2°C) (other)
- ◆ Humidity: 5 to 95%, 1%RH (15 to 80%RH)  
2.5% (other)
- ◆ Temperature sensor: Diode
- ◆ Humidity Sensor: Capacitor Sensor
- ◆ Sampling: 1 times/second
- ◆ Resolution: 0.1%RH 0.1°F, 0.1°C
- ◆ Dimensions:  
5.1 x 2.2 x 1.5 in. (130 x 56 x 38mm)
- ◆ Weight: 8.8 oz. (250g)
- ◆ Operating Temperature and Humidity:  
-4° to 140°F (-20° to 60°C), <95%RH (non-condensing)
- ◆ Storage Temperature and Humidity:  
14° to 140°F (-10° to 60°C), <70%RH (non-condensing)
- ◆ Consumption Current: 10mA
- ◆ Power Source: 1 "9V" battery (included) or AC to DC Adapter (9V/300mA)



DTH184DL

# Data Logging Thermo-Hygrometers

GENERAL®



LTH8809DL

**FEATURES****TEMPERATURE/HUMIDITY MONITOR – DATA LOGGER**

Unique, large red LED display makes it ideal for monitoring temperatures and humidity conditions in labs, incubators and other controlled environments.

- Complete environmental monitor and alarm
- Wall or Desk Mounted LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Air Temperature or Dew Point (DP) display and °C/°F Unit display are selectable
- Data Logging Capacity 16,000 records
- USB interface
- CE approved

**SPECIFICATIONS****TEMPERATURE/HUMIDITY MONITOR – DATA LOGGER**

- ♦ RH %: 0.0~100.0%
- ♦ RH resolution: 0.1%
- ♦ RH accuracy: ±3% at 10 to 90%, ±5% other
- ♦ Temperature: -4° to 158°F (-20° to 70°C)
- ♦ Temperature resolution: 0.1°F (0.1°C)
- ♦ Temperature accuracy: ±1.2°F (±0.6°C)
- ♦ Memory: 16,000 (Temp: 8K, RH: 8K)
- ♦ LED display: 2 x 2.6 in. (50.9 x 65.5mm)
- ♦ Dimensions: 4.8 x 5.2 x 1.6 in. (120 x 130 x 42mm)
- ♦ Weight: 7.4 oz. (210g)
- ♦ Power Source: 4 "AAA" batteries (included)
- Includes: • Operation manual  
• USB cable    • Software

UPC  
01309 0NO.  
LTH8809DL

DTH3009DL

**PRECISION PSYCHROMETER TEMPERATURE/HUMIDITY DATA LOGGER**

Precision instrument, perfect for professionals monitoring and controlling ambient air conditions in a HVAC/R environment.

- Humidity + Temperature + Dew point are combined into one meter
- 0.01 %RH humidity resolution
- 0.01 degree temperature resolution
- Dew point measurement
- Manual and auto data logger
- Data logger function with flexible sampling time selection
- Can save 1000 data points with recall
- DLSFT: Optional software kit with case

**Humidity/Temperature**

- ♦ Range: 0% to 100%RH
- ♦ Accuracy: ± 2%RH @ 20%RH to 80%RH @ 10 to 40°C
- ♦ Range: 32° to 122°F (0° to 50°C)
- ♦ Accuracy: ± 0.9°F, ± 0.5°C @ 5° to 35°C

**Dew Point**

- ♦ Range: -13.5° to 120.1°F, Resolution: 0.01
- ♦ Range: -25.3° to 48.9°C, Resolution: 0.01

UPC  
10163 6NO.  
DTH3009DL

41420 0 LSFT KIT PC Interface Kit (Optional)

**DUAL CHANNEL DATA LOGGING THERMO-HYGROMETER WITH RS-232**

For professional use in monitoring, managing and recording temperature and humidity.

- Dual probe input
- Triple display
- RS-232 computer interface, Windows® software
- 16,000 records data logger
- Time function
- Auto power off
- Min/Max function
- Hold function
- CE approved

- ♦ Humidity range: 0 to 100%RH
- ♦ Range: -4° to 140°F
- ♦ "K" type temp range: -328° to 2498°F
- ♦ Humidity accuracy: ±2.5%RH
- ♦ Temp accuracy: ±1.4°F
- ♦ "K" type temp accuracy: ±0.3% rdg
- ♦ Dimensions: 7.25 x 2.5 x 1.2 in. (184 x 63 x 30mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • 2 "K" type velcro strap probes  
• Humidity probe  
• RS-232 computer interface  
• Hard case  
• Software and Cable

UPC  
10165 0NO.  
DTH314DL16120 3 HR33LJ Calibration Salt MgCl 33%  
(Optional)16130 2 HR75LJ Calibration Salt NaCl 75%  
(Optional)

DTH314DL



**FEATURES****SPECIFICATIONS****DIGITAL PSYCHROMETER WITH DEW POINT AND WET BULB**

Wide applications in monitoring environmental conditions.

- Displays wet bulb, dew point, humidity and temperature
- No twirling or charts necessary
- Large digital display
- Dew point measurement
- Wet and dry bulb temperature
- Min/Max memory with reset key
- °F or °C readings
- Data hold
- Auto power off
- Low battery indication
- Microprocessor based design

- ◆ Range: -4° to 122°F (-20° to 50°C)
- ◆ Humidity range: 0 to 100%RH
- ◆ Dew point: -22° to 122°F (-30° to 50°C)
- ◆ Temperature accuracy: ±1.8°F (±1°C)
- ◆ Humidity accuracy: ±5% of reading
- ◆ Response time: 60 seconds (approx.)
- ◆ Dimensions: 6.7 x 1.85 x 0.5 in. (170 x 47 x 13mm)
- ◆ Power Source: 2 "AAA" batteries (included)
- Includes: • Protective cap with pocket clip

UPC	NO.
10025 7	SAM990DW
10026 4	SAM990DW/CERT



SAM990DW  
SAM990DW/CERT

**CALIBRATABLE DIGITAL PSYCHROMETER**

Hand-held convenience for accurate measurement of temperature and humidity for HVAC/R and food processing.

- Jumbo display, triple read-out
- Rotating head to protect sensor
- Field calibratable
- Auto power off
- Min/Max
- Displays: Temperature, Humidity, Dew point, Wet bulb
- P8706 External Temperature Probe
- HR33 'Low' Reference
- HR75 'High' Reference
- CE approved

- ◆ Range: -4° to 122°F (-20° to 50°C)
- ◆ Humidity range: 0 to 100%
- ◆ Dew point: -90.4° to 122°F (-68° to 50°C)
- ◆ Wet bulb: -6.9° to 122°F (-21.6° to 50°C)
- ◆ Temperature accuracy: ±12°F (±0.6°C)
- ◆ Resolution: 0.1°; 0.1%RH
- ◆ Response time: 60 seconds
- ◆ Power Source: 2 "AAA" batteries (included)

UPC	NO.
10041 7	EP8706
10043 1	P8706 External Temperature Probe
15060 3	HR33LJ Calibration Salt MgCl 33% (Optional)
15070 2	HR75LJ Calibration Salt NaCl 75% (Optional)



EP8706

**CALIBRATABLE DIGITAL PSYCHROMETER WITH REMOTE PROBE**

Ideal for HVAC/R uses: diagnostic, installation, maintenance.

- Jumbo display
- Rotating head to protect sensor
- Remote temperature probe
- Field calibratable
- Auto power off
- Min/Max
- T1/T2
- Displays: Temperature, Humidity, Dew point, Wet bulb
- P8706 External Temperature Probe
- HR33 'Low' Reference
- HR75 'High' Reference
- CE approved

- ◆ Range: -4° to 122°F (-20° to 50°C)
- ◆ Humidity range: 0 to 100%
- ◆ Dew point: -90.4° to 122°F (-68° to 50°C)
- ◆ Wet bulb: -69° to 122°F (-56° to 50°C)
- ◆ Temperature accuracy: ±1.2°F (±0.6°C)
- ◆ Resolution: 0.1°; 0.1%RH
- ◆ Response time: 60 sec.
- ◆ Power Source: 2 "AAA" batteries (included)
- Includes: • 1 probe (P8706)

UPC	NO.
10028 8	EM8716
15060 3	HR33LJ Calibration Salt MgCl 33% (Optional)
15070 2	HR75LJ Calibration Salt NaCl 75% (Optional)



EM8716

**DIGITAL HAND-HELD THERMO-HYGROMETER**

For accurate measuring and monitoring temperature and humidity in a wide range of professional and industrial applications such as: film processing, printing, hospitals, and laboratories.

- Displays humidity and temperature
- Large digital display
- Min/Max memory with reset key
- °F or °C readings
- Data hold
- Auto power off
- Low battery indication
- Microprocessor based design
- Protective cap with pocket clip
- CE approved

- ◆ Range: -4° to 122°F (-20° to 50°C)
- ◆ Humidity range: 0 to 100%RH
- ◆ Temperature accuracy: ±1.8°F (±1°C)
- ◆ Humidity accuracy: ±5% of reading
- ◆ Response time: 80 seconds (approx.)
- ◆ Dimensions: 6.7 x 1.85 x 0.5 in. (170 x 47 x 13mm)
- ◆ Power Source: 2 "AAA" batteries (included)
- Includes: • Protective cap w/ pocket clip

UPC	NO.
10015 8	CMM880



CMM880

# Thermo-Hygrometers

GENERAL®



**CE**  
LAM880D



**CE**  
RoHS  
PTH8707



**CE**  
PTH8708



LAM122

## FEATURES

### DEW POINT THERMO-HYGROMETER

For accurately measuring and monitoring temperature and humidity in a wide range of professional and industrial applications such as: film processing, printing, hospitals and laboratories.

- Displays dew point, humidity and temperature
- Large digital display
- Dew point measurement
- Min/Max memory with reset key
- °F/°C readings
- Data hold
- Auto power off
- Low battery indication
- Microprocessor based design
- CE approved

## SPECIFICATIONS

- ♦ Range: -4° to 122°F (-20° to 50°C)
  - ♦ Humidity range: 0 to 100%RH
  - ♦ Dew point: -22° to 122°F (-30° to 50°C)
  - ♦ Temperature accuracy: ±1.8°F (±1°C)
  - ♦ Humidity accuracy: ±5% of reading
  - ♦ Response time: 60 seconds (approx.)
  - ♦ Dimensions: 6.7 x 1.85 x 0.5 in. (170 x 47 x 13mm)
  - ♦ Power Source: 2 "AAA" batteries (included)
- Includes:
- Protective cap with pocket clip

UPC      NO.  
10020 2    LAM880D

### HUMIDITY SEEKER THERMO-HYGROMETER PEN

Ideal for contractors and homeowners to measure temperature and humidity conditions.

- °F/°C Switch
- Check home comfort and ventilation
- Monitor greenhouse environment
- Rotate the cap to cover and protect sensitive sensor tip
- Fits in your shirt pocket with back clip
- CE and RoHS approved

Includes:

- Pocket clip on back
- Manual

UPC      NO.  
01402 8    PTH8707

- ♦ Humidity range: 20 to 100%RH
- ♦ Temperature range: 32° to 122°F (0° to 50°C)
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Resolution: Temperature: 0.1 °F/°C  
Humidity: 0.1%
- ♦ Humidity accuracy: ±3%
- ♦ Dimensions: 6.5 x 1.25 x 0.5 in. (165 x 32 x 13mm)
- ♦ Weight: 1.9 oz. (54g)
- ♦ Power Source: 1 "CR2032" battery (included)

### DIGITAL TEMPERATURE AND HUMIDITY PEN

Ideal for HVAC/R, laboratories, hospitals, computer rooms, greenhouses, printing, film processing, and more.

- Simultaneously displays temperature and humidity
- Data hold freezes measured values
- °F/°C switch
- Auto power off after 20 minutes
- Min/Max memory
- Fits in your shirt pocket
- CE approved

- ♦ Range: 14° to 122°F (-10° to 50°C)
- ♦ Humidity range: 5 to 95%RH
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Humidity accuracy: ±5%
- ♦ Resolution: ±0.1°, 1%RH
- ♦ Dimensions: 6.9 x 1.7 x 0.6 in. (175 x 42 x 16mm)
- ♦ Power Source: 1 "CR2032" battery (included)

Includes:

- Pocket clip on back

UPC      NO.  
10005 9    PTH8708

### ECONOMY TEMPERATURE AND HUMIDITY PEN

Hand-held convenience for accurate measurement of temperature and humidity.

- Simultaneous display of relative humidity and temperature
- °F/°C switch
- Pocket size for quick and reliable measurements at any location
- Min/Max memory (temp and humidity)
- "Clear" function erases stored readings to record new values

- ♦ Humidity range: 20 to 90%RH
- ♦ Range: 14° to 122°F (-10° to 50°C)
- ♦ Humidity accuracy: ±5%
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Resolution: ±0.1°, 1%RH
- ♦ Dimensions: 5.9 x 0.8 x 0.6 in. (150 x 20 x 15mm)
- ♦ Power Source: 1 "LR44" battery (included)

Includes:

- Protective cover with clip

UPC      NO.  
10120 9    LAM122



**FEATURES****SPECIFICATIONS****DIGITAL POCKET HEAT INDEX MONITOR - SPORTS MODEL**

Ideal for sports medicine professionals, coaches and athletes to monitor outdoor conditions to ensure safety.

- Displays heat index, temperature, humidity and dew point
- Danger icon with audible beep
- Min/Max memory with reset feature
- Data hold
- Reset feature
- °F/°C readings
- Large digital display
- Auto power off with low battery indicator
- Ergonomic design
- CE approved

- ♦ Range: -4° to 122°F (-20° to 50°C)
  - ♦ Heat index range: 32° to 140°F (0° to 60°C)
  - ♦ Humidity range: 0 to 100%RH
  - ♦ Dew point: -22° to 122°F (-30° to 50°C)
  - ♦ Temperature accuracy: ±1.8°F (1°C)
  - ♦ Humidity accuracy: ±5%
  - ♦ Dew point accuracy: ±3%
  - ♦ Dimensions: 6.88 x 1.57 x 0.91 in. (175 x 40 x 23mm)
  - ♦ Power Source: 1 "CR2032" battery (included)
- Includes: • Pocket clip on back

**UPC NO.**  
10100 1 SAM800HI



CE

SAM800HI

**DIGITAL POCKET HEAT INDEX MONITOR - INDUSTRIAL MODEL**

Ideal for professional safety monitoring of outdoor conditions for sports and worker safety.

- Displays heat index, temperature, humidity and dew point
- Ideal for monitoring conditions for workers outdoors
- Danger icon with audible beep
- Min/Max memory with reset feature
- Data hold
- Reset feature
- °F/°C readings
- Large digital display
- Auto power off with low battery indicator
- Ergonomic design • CE approved

- ♦ Heat index range: 32° to 140°F (0° to 60°C)
  - ♦ Temp. range: -4° to 122°F (-20° to 50°C)
  - ♦ Humidity range: 0 to 100%RH
  - ♦ Dew point: -22° to 122°F (-30° to 50°C)
  - ♦ Temperature accuracy: ±1.8°F (1°C)
  - ♦ Humidity accuracy: ±5%
  - ♦ Dew point accuracy: ±3%
  - ♦ Dimensions: 6.88 x 1.57 x 0.91 in. (175 x 40 x 23mm)
  - ♦ Power Source: 1 "CR2032" battery (included)
- Includes: • Pocket clip on back

**UPC NO.**  
10105 6 SAM800IND



CE

SAM800IND

**HEAT INDEX MONITOR WITH WET BULB GLOBE TEMPERATURE**

Ideal for industrial uses including HVAC/R, and outdoor sports medicine applications.

- An industry breakthrough for outdoor sports
  - The power of sunlight is factored into the heat index
  - Four measurement parameters:
    - WBGT (Wet Bulb Globe Temperature)
    - TG (Globe Temperature)
    - TA (Air Temperature)
    - % (Relative Humidity)
  - CE approved
- ♦ Power Source: 2 "AAA" batteries (included)

**UPC NO.**

08758 9 WBGT8758

- ♦ Black ball size: Dia. 40mm, Height 35mm
- ♦ Temp. (TG) range: 32° to 122°F (0° to 50°C)
- ♦ Temp. (TG) accuracy: ±2°F (±1°C)
- ♦ WBGT Temp. range: 32° to 122°F (0° to 50°C)
- ♦ WBGT Temp. accuracy: ± 2°C (15.0° to 35.0°F)
- ♦ RH% range: 0 to 100%RH
- ♦ RH accuracy: ±3%RH (0-90%RH), ±5%RH for other range
- ♦ Wet Bulb (WB) range: 70° to 115°F (21° to 45°C)
- ♦ Wet Bulb (WB) accuracy: ± 2°F
- ♦ Dew point range: 32° to 140°F (0° to 60°C)
- ♦ Dew point accuracy: ±3%



WBGT8758

CE

**DELUXE WBGT HEAT INDEX MONITOR WITH 75MM BLACK BALL**

Ideal for industrial uses including HVAC/R, and outdoor sports medicine applications.

- Rapid response
  - An industry breakthrough for outdoor sports
  - The power of sunlight is factored into the heat index
  - Designed to monitor heat conditions
  - Four measurement parameters:
    - WBGT (Wet Bulb Globe Temperature)
    - TG (Globe Temperature)
    - TA (Air Temperature)
    - % (Relative Humidity)
  - CE approved
- ♦ Black ball size: Dia. 75mm, Height 75mm
- ♦ Temp. (TG) range: 32° to 122°F (0° to 50°C)
- ♦ Temp. (TG) accuracy: ±2°F (±1°C)
- ♦ WBGT Temp. range: 32° to 122°F (0° to 50°C)

- ♦ WBGT Temp. accuracy: ±2°F (15.0° to 35.0°F)
- ♦ RH% range: 0 to 100%RH
- ♦ RH accuracy: ±3%RH (0-90%RH), ±5%RH for other range
- ♦ Wet Bulb (WB) range: 70° to 115°F (21° to 45°C)
- ♦ Wet Bulb (WB) accuracy: ±2°F
- ♦ Dew point range: 32° to 140°F (0° to 60°C)
- ♦ Dew point accuracy: ±3%
- ♦ Dimensions: 11 x 3 x 3 in. (278 x 75 x 75mm)
- ♦ Weight: 5.3 oz. (150g)
- ♦ Power Source: 2 "AAA" batteries (included)

**UPC NO.**  
01308 3 WBGT8778



WBGT8778

CE



# MOISTURE/TEMPERATURE & HUMIDITY

## Psychrometers/Analog Humidity Calculator

**GENERAL®**



HC880

### FEATURES

#### ANALOG TEMPERATURE/HUMIDITY CALCULATOR

To calculate relative humidity.

- For dry/wet bulb
- Easy-to-read
- Pocket sized
- Percent relative humidity indicator
- Recommended humidities for industrial processes

### SPECIFICATIONS

- ◆ Temperature: Dry Bulb 30° to 120°F  
Wet Bulb 20° to 120°F
- ◆ Relative humidity: 10 to 100RH

<b>UPC</b>	<b>NO.</b>
16110 4	HC880



MH120

#### MASON'S HYGROMETER

Measures relative humidity.

- Measures relative humidity by comparing the wet and dry bulb thermometers
- Complete with two red spirit thermometers in a sturdy white plastic case and plastic reservoir bottle
- Dual scale readings

- ◆ Range:  
0° to 120°F (-15° to 50°C)
- ◆ Dimensions:  
12.25 x 2.75 x 0.85 in. (311 x 70 x 22mm)

Includes: • Conversion chart

<b>UPC</b>	<b>NO.</b>
23005 3	MH120



SP100CR  
SP100FR

#### SLING PSYCHROMETERS

- High impact plastic construction
- Fast, accurate and easy to use
- No assembly required
- Classic twirling design
- Available in °F or °C

Model	Range	Type
SP100CR	-5° to 50°C	Red spirit
SP100FR	20° to 120°F	Red spirit

- ◆ Dimensions:  
8.25 x 1.25 x 0.625 in. (210 x 32 x 16mm)
- Includes: • Two thermometers  
• One wick

<b>UPC</b>	<b>NO.</b>
10215 2	SP100CR - Red Spirit
10205 3	SP100FR - Red Spirit
10260 2	SPR108 - Replacement Therms
10265 7	SPR109 - Replacement Therms
10270 1	SPR120 - Replacement Wicks

Replacement parts:

SPR108 Repl. Therms for SP100CR (2) Red spirit "F"

SPR109 Repl. Therms for SP100FR (2) Red spirit "C"

SPR120 Repl. Wicks (6) - All



TSP200RC

#### TWIRLING PSYCHOMETER

To measure temperature and humidity.

- Extra large handle for simple operation
- High impact plastic construction
- Fast, accurate and easy to use
- Classic twirling design
- Red Spirit filled

- ◆ °C range: 0° to 50°C
- ◆ Accuracy for mercury: ±0.5°F (±0.3°C)
- ◆ Dimensions:  
8.5 x 1.75 x 1 in. (216 x 45 x 25mm)
- ◆ Weight: 7.05 oz. (200g)

Includes: • Two thermometers  
• One wick

<b>UPC</b>	<b>NO.</b>
10225 1	TSP200RC
10202 2	RTSP Replacement Therms
10270 1	SPR120 Replacement Wicks

**FEATURES****SPECIFICATIONS****JUMBO DISPLAY TEMPERATURE AND HUMIDITY METER WITH CLOCK**

To measure, monitor and display temperature and humidity.

- 3 row display shows temperature, humidity and current time
- °F or °C temperature display
- Clock is 12 or 24 hour selectable
- Min/Max memory for temperature and humidity records the highest and lowest values with optional daily reset feature
- Replaces: DTH05

- ◆ Temperature range: 23° to 122°F
- ◆ Humidity range: 20 to 99%RH
- ◆ Temperature accuracy: ±1.8°F (±1°C)
- ◆ Humidity accuracy: ±6%RH
- ◆ Resolution: 0.1°, 1%
- ◆ Digit height: 0.67 in.
- ◆ Display size: 2.45 x 3.15 in.
- ◆ Dimensions: 3.75 x 4.2 x 0.75 in. (95 x 107 x 19mm)
- ◆ Power Source: 1 "AAA" battery (included)

**UPC NO.**  
11032 4 DTH04



DTH04

**JUMBO DISPLAY HUMIDITY AND TEMPERATURE METER**

To measure and display temperature and humidity.

- Displays humidity and temperature
- Jumbo digital display
- 2-Key operation: min/max and reset
- Memory for highest and lowest temperature and humidity
- °F/°C slide switch

- ◆ Range: 32° to 122°F (0° to 50°C)
- ◆ Humidity range: 20% to 90%RH
- ◆ Resolution: 0.1, 1%
- ◆ Dimensions: 4.3 x 3.9 x 0.8 in. (110 x 98 x 20mm)
- ◆ Weight: 6.3 oz. (175g)
- ◆ Power Source: 1 "AAA" battery (included)

**UPC NO.**  
11040 9 DTH03A



DTH03A

**HORIZONTAL HUMIDITY AND TEMPERATURE METER**

For monitoring indoor environmental comfort.

- Displays temperature and humidity
- °F and °C models available
- Jumbo display
- Horizontal design
- Comfort indication (cool, comfort, warm)
- Wall or desk mountable
- Low battery indicator

- ◆ Range: -58° to 158°F
- ◆ Humidity range: 10 to 95%RH
- ◆ Temperature accuracy: ±1.8°F (±1°C)
- ◆ Humidity accuracy: ±5% from 30 to 80%RH; ±7% at all other ranges
- ◆ Resolution: 0.1°, 1%
- ◆ Sampling rate: every 10 seconds
- ◆ Digit height: 0.75 in.
- ◆ Display size: 3.75 x 1.05 in.
- ◆ Dimensions: 5.3 x 2.5 x 0.6 in. (135 x 64 x 15mm)
- ◆ Power Source: 2 "AAA" batteries (included)

**UPC NO.**  
11008 9 DHI8757F



DHI8757F



DTH700



## FEATURES

**DIGITAL TEMPERATURE AND HUMIDITY MONITOR**

To measure, monitor and display temperature and humidity.

- Displays temperature and humidity
- °F/°C switch
- Wall or desk mountable
- Min/Max feature
- For home or office use

## SPECIFICATIONS

- ♦ Range: 14° to 140°F (-10° to 60°C)
- ♦ Humidity range: 10% to 99%RH
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Humidity accuracy: ±5%
- ♦ Resolution: 0.1°, 1%
- ♦ Dimensions: 4 x 2.5 x 0.5 in. (102 x 64 x 13mm)
- ♦ Power Source: 1 "AAA" battery (included)

UPC      NO.  
11015 7      DTH700



DTH800

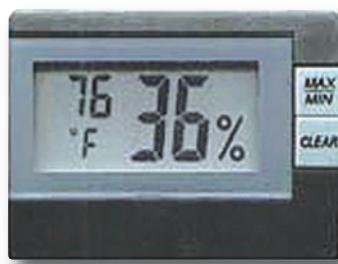
**DIGITAL TEMPERATURE/HUMIDITY MONITOR WITH CLOCK**

To measure, monitor and display temperature and humidity.

- Simultaneously displays time, temperature and humidity
- Clock with alarm and snooze button
- Min/Max memory
- Wall or desk mount

- ♦ Range: 14° to 140°F (-10° to 60°C)
- ♦ Humidity range: 10% to 99%RH
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Humidity accuracy: ±5%RH
- ♦ Resolution: 0.1°, 1%
- ♦ Dimensions: 4.25 x 2.5 x 0.5 in. (108 x 64 x 13mm)
- ♦ Power Source: 1 "AAA" battery (included)

UPC      NO.  
11020 1      DTH800



LCR318

**MINI DIGITAL HUMIDITY AND TEMPERATURE METER**

Ideal for use in humidors and musical instrument cases.

- Simultaneously displays indoor temperature and humidity
- Great for pianos, humidors, wine cellars, computer rooms and more
- Large LCD display
- Memory for highest and lowest temperature and humidity
- Clear button
- Low battery warning
- Hanging or standing features

- ♦ Range: 14° to 140°F (°F only)
- ♦ Humidity range: 10% to 99%RH
- ♦ Temperature accuracy: ±1.8°F
- ♦ Humidity accuracy: ±5%
- ♦ Resolution: 1°, 1%
- ♦ Display size: 1.4 x 0.7 in.
- ♦ Dimensions: 1.5 x 2.05 x 0.6 in. (38 x 52 x 15mm)
- ♦ Power Source: 1 "LR44" battery (included)

UPC      NO.  
11075 1      LCR318



**FEATURES****SPECIFICATIONS****HIGH TEMPERATURE THERMO-HYGROMETER**

To measure and monitor temperature and humidity.

- Measures temperature and humidity
- Competitively priced
- Aluminum case
- Flange mounting
- Attractive design

- ♦ Range: 30° to 250°F
- ♦ Humidity range: 0 to 100%RH
- ♦ Dimensions: 5.125 in. dial diameter, 6 in. overall
- ♦ Weight: 11 oz. (312g)

**UPC NO.**  
61006 0 A600FC



A600FC

**ANALOG CERTIFIED THERMO-HYGROMETER**

Precision instrument for professionals monitoring temperature and humidity in industrial environments.

- Measures temperature and humidity
- Aluminum case
- Silver dial
- Certified for accuracy
- Color coded (°F & °C)
- Attractive housing
- For wall mounting
- CE approved

- ♦ Range: 10° to 170°F (-8° to 75°C)
  - ♦ Humidity range: 0 to 100%RH
  - ♦ Dimensions: 5.25 in. dial diameter
  - ♦ Weight: 7.5 oz. (213g)
- Includes:
- Test certificate

**UPC NO.**  
61020 6 A5063

CE  
A5063**ANALOG CERTIFIED THERMO-HYGROMETER**

Precision instrument for professionals monitoring temperature and humidity in industrial environments.

- Measures temperature and humidity
- Polished brass case
- Attractive housing
- Flange mounting
- Color coded (°F & °C)
- Certified for accuracy
- For wall mounting
- CE approved

- ♦ Range: 10° to 170°F (-8° to 75°C)
- ♦ Humidity range: 0 to 100%RH
- ♦ Dimensions: 5.25 in. dial diameter, 5.875 in. with flange
- ♦ Weight: 11 oz. (312g)

**UPC NO.**  
61030 5 A5064

CE  
A5064**ANALOG CERTIFIED THERMO-HYGROMETER**

Precision and certified instruments used for various production, lab, agriculture and weather applications.

- Measures temperature and humidity
- Polished brass case
- Attractive housing
- Flange mounting
- Color coded (°F & °C)
- Certified for accuracy
- For wall mounting
- CE approved

- ♦ Range: 10° to 170°F (-8° to 75°C)
- ♦ Humidity range: 0 to 100%RH
- ♦ Dimensions: 5.25 in. dial diameter, 5.875 in. with flange
- ♦ Weight: 11 oz. (312g)

**UPC NO.**  
61010 7 A5033

CE  
A5033

CE  
RoHS

DTH184DL

## FEATURES

## HIGH ACCURACY DATA LOGGING THERMO-HYGROMETER

1% RH accuracy and large red LED display makes it ideal for process control, labs and other critical areas.

- Dual LCD Display
- Displays both Temperature and RH
- Measures both °F/°C
- Real-time data
- Data Hold Function
- Alarm Function
- Dew-Point and Wet-Bulb Temperature
- USB PC interface
- CE and RoHS approved

Includes:

- Instruction Manual
- Carrying Case
- MINI USB 4P (MALE) to USB A Type cable
- CD Software

UPC NO.  
01315 1 DTH184DL

## SPECIFICATIONS

- ◆ Temperature: -4° to 140°F (-20° to 60°C)  
±1.8°F (0.5°C) (32° to 104°F / 0° to 40°C)  
±3.6°F (2°C) (other)
- ◆ Humidity: 5 to 95%, 1%RH (15 to 80%RH)  
2.5% (other)
- ◆ Temperature sensor: Diode
- ◆ Humidity sensor: Capacitor Sensor
- ◆ Sampling: 1 times/second
- ◆ Resolution: 0.1% RH 0.1°F, 0.1°C
- ◆ Operating Temperature and Humidity:  
-4° to 140°F (-20° to 60°C), <95%RH  
(non-condensing)
- ◆ Storage Temperature and Humidity:  
14° to 140°F (-10° to 60°C), <70%RH  
(non-condensing)
- ◆ Consumption Current: 10mA
- ◆ Dimensions:  
5.1 x 2.2x 1.5 in. (130 x 56 x 38mm)
- ◆ Weight: 8.8 oz. (250g)
- ◆ Power Source: 1 "9V" battery (included)  
or AC to DC Adapter (9V/300mA)

## TEMPERATURE/HUMIDITY MONITOR – DATA LOGGER

Unique, large red LED display makes it ideal for monitoring temperatures and humidity conditions in labs, incubators and other controlled environments.

- Complete environmental monitor and alarm
- Wall or Desk Mounted LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Air Temperature or Dew Point (DP) display and C/F Unit display are selectable
- Data Logging Capacity 16,000 records
- USB interface

Includes:

- Operation manual
- USB cable
- Software

UPC NO.  
01309 0 LTH8809DL

- ◆ RH %: 0.0~100.0%
- ◆ RH resolution: 0.1%
- ◆ RH accuracy: ±3% at 10 to 90%, ±5% other
- ◆ Temperature: -4° to 158°F (-20° to 70°C)
- ◆ Temperature resolution: 0.1°F (0.1°C)
- ◆ Temperature accuracy: ±1.2°F (±0.6°C)
- ◆ Memory: 16,000 (Temperature: 8K, RH: 8K)
- ◆ LED display: 2 x 2.6 in. (50.9 x 65.5mm)
- ◆ Dimensions: 4.8 x 5.2 x 1.6 in.  
(120 x 130 x 42mm)
- ◆ Weight: 7.4 oz. (210g)
- ◆ Power Source: 4 "AA" batteries (included)

## TEMPERATURE HUMIDITY DATA LOGGER WITH ON/OFF SWITCH

For professional use in monitoring and recording temperature and humidity.

- Records relative humidity & temperature
- Logs data for days, weeks or months
- Multiple data loggers can be programmed and data downloaded from a single docking station
- Programmable sampling rate from 1 sec. to 2 hrs.
- View either temperature or humidity on LCD
- Program the data logger, analyze and store data using software - Models **INT8818**, **INT8819** (not included)
- Yellow record LED flashes when unit is sampling
- Scheduled, magnetic or immediate start capability
- Real-time clock stores date and time with data
- Programmable high and low limits with alarm

- ◆ Range: -40° to 185°F (-40° to 85°C)
- ◆ Humidity range: 0 to 100%RH
- ◆ Accuracy: ± 1°F from -4° to 122°F, (-20° to 50°C) ± 2°F at all other ranges; ±5%RH
- ◆ Resolution: 0.1°, 0.1%RH
- ◆ Memory: Temperature up to 8,000; RH: 8,000 points
- ◆ Dimensions:  
3.14 x 2.16 x 0.86 in. (80 x 55 x 22mm)
- ◆ Weight: 2.6 oz. (76g)
- ◆ Power Source: Lithium battery (included)

UPC NO.  
46125 9 DL8835  
46130 3 INT8818 Serial Interface Kit (Optional)  
46135 8 INT8819 USB Interface Kit (Optional)

DL8835  
(Replaces DL8828)

**FEATURES****SPECIFICATIONS****DIGITAL TEMPERATURE AND HUMIDITY DATA LOGGER**

To measure and record temperature for energy audits and other professional applications.

- Records relative humidity and temperature
- Logs data for days, weeks or months
- Multiple data loggers can be programmed and data downloaded from a single docking station
- Programmable sampling rate from 1 sec. to 2 hrs.
- View either temperature or humidity on LCD
- Program the data logger, analyze and store data using software - Models **INT8818**, **INT8819** (not included)
- Yellow record LED flashes when unit is sampling
- Scheduled, magnetic or immediate start capability
- Real-time clock stores date and time with data
- Programmable high and low limits with alarm

- ♦ Range: -40° to 185°F (-40° to 85°C)
- ♦ Humidity Range: 0 to 100%RH
- ♦ Accuracy: ± 1°F from -4 to 122°F, (-20° to 50°C) ± 2°F at all other ranges; ±5%RH
- ♦ Resolution: 0.1°, 0.1%RH
- ♦ Memory: Temp: up to 8,000; RH: 8,000 points
- ♦ Dimensions: 3.14 x 2.16 x 0.86 in. (80 x 55 x 22mm)
- ♦ Weight: 2.6 oz. (76g)
- ♦ Power Source: Lithium battery (included)

UPC	NO.
46120 4	<b>DL8829</b>
46130 3	<b>INT8818</b> Serial Interface Kit (Optional)
46135 8	<b>INT8819</b> USB Interface Kit (Optional)



**DL8829**  
(Replaces **DL8828**)

**USB INTERFACE KIT**

- For downloading readings to your PC
- Use with data logger models: **DL8829** and **DL8835**

- Includes:
- Data logger base
- USB1.1 cable
- Software
- Operation manual

UPC	NO.
46135 8	<b>INT8819</b>



**INT8819**

**PRINTER FOR DATA LOGGER**

- For use with the following data loggers (Models **DL8829**, **DL8828**, **DL8835**)
- Prints data in text or graph format
- Small size fits in the palm of your hand
- LCD display
- Set up data loggers without a personal computer. Sampling interval, recording points, hi/low temp/humidity alarm set, °C or °F
- Input: RS-232C Data: 8 bits; Stop: 1 bit

- ♦ Dimension: 4.72 x 5.9 x 1.88 in.
- ♦ Printing characteristics:
  - a) Voltage compensating to stabilize the contrast of printing
  - b) Paper jam protection
  - c) Paper feed
  - d) Printing contrast: 1 to 9
  - e) Print type by report or graphic (Font: Roman 8)
- ♦ Range: -40° to 212°F (External), -40° to 100°C (External)
- ♦ Humidity Range: 0 to 100%
- ♦ Accuracy: Temperature: + 0.6°C (20° to 50°C), +1.2°C (-40° to 20°C, 51° to 100°C)
- ♦ Resolution: 0.1°F, 01°C
- ♦ Memory: 15999 readings
- ♦ Dimensions: 2.8 x 2.2 x 0.8 in. (72 x 56 x 21mm)
- ♦ Weight: 2.2 oz. (62g)
- ♦ Power Source: 1 "3.6V" Lithium battery (included)

- Includes:
- Printer
- Thermo-paper

UPC	NO.
46145 7	<b>EP9801</b>



**EP9801**

# Infrared Thermometers

GENERAL®



IRT206



## FEATURES

### 8:1 MID-RANGE INFRARED THERMOMETER

Ideal for most applications in HVAC/R, plumbing and heating, electrical, automotive and other industrial jobs.

- Rugged and ergonomic design for general purposes
- Ultra-low power consumption in shutdown mode
- Extended long time measuring reliability
- Backlit LCD display
- Switchable On/Off Laser sighting
- °F/°C selectable
- Auto off
- CE, RoHS, WEEE approved

## SPECIFICATIONS

- ♦ Distance to Spot (DS) ratio: 8:1
- ♦ Range: -4° to 604°F (-20° to 317°C)
- ♦ Emissivity: Fixed at 0.95
- ♦ Resolution: 0.5°F / 0.5°C
- ♦ Accuracy: ±2%
- ♦ Operating temperature: 32° to 122°F, 10 to 90%RH
- ♦ Power Source: 1 "9V" battery (included)

UPC NO.  
02060 9 IRT206



The new IRT206 "Heat Seeker™" infrared thermometers are precision measuring devices used for obtaining accurate temperatures instantaneously without having to contact the object being measured. It works by capturing and measuring the invisible infrared energy naturally emitted from all objects. It offers an easy and safe method to instantaneously measure surface temperatures of objects which are difficult or unsafe to contact.

The "Heat Seeker™" has a rugged, ergonomic design and features a backlit LCD display with built-in laser sighting. The IRT206 has a measurement range of -4° to 604°F (-20° to 317°C) and utilizes a switchable on/off laser pointer for target location. The practical distance-to-spot (DS) ratio of 8:1 is suitable for most consumer and commercial applications.



IRT656



### 12:1 LOW TEMPERATURE REFRIGERATION, A/C AND FOOD SERVICE INFRARED THERMOMETER

Ideal for subcooling applications, particularly food service, refrigeration and air conditioning.

- Switchable ON/OFF Laser sighting
- °F/°C switchable
- Backlit LCD Display
- Auto Measuring
- Extended, long time measuring reliability
- Temperature data storage
- Low Battery indication
- Ultra-low power consumption in shutdown mode
- Electronic trigger lock
- Ergonomic design
- Auto off
- CE, RoHS, WEEE approved

- ♦ Distance to Spot (DS) ratio: 12:1
  - ♦ Range: -58° to 600°F (-50° to 316°C)
  - ♦ Emissivity: Fixed at 0.97
  - ♦ Accuracy (@ ambient temperature of 77°F/25°C):
    - ±5°F (±3°C) within -58° to -22°F (-50° to -30°C)
    - ±3°F (±2°C) within -22° to 212°F (-30° to 100°C)
    - ±2% within 212° to 600°F (100° to 316°C)
  - ♦ Thermopile: 8 ~ 14µm
  - ♦ Repeatability: ±2°F (±1°C)
  - ♦ Resolution: 0.1°F (0.1°C)
  - ♦ Response Time: 500 ms.
  - ♦ Operating Temperature: 32° to 122°F (0° to 50°C), 10 to 90%RH
  - ♦ Auto Power Off: Automatically after approx. 6 seconds
  - ♦ Battery Life: 16 hours
  - ♦ Dimensions: 6.69 x 5.23 x 1.77 in. (170 x 133 x 45mm)
  - ♦ Weight: 5.8 oz. (163g) Approx.
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- Instruction manual
  - Soft carrying case

UPC NO.  
40656 4 IRT656



## FEATURES

## SPECIFICATIONS

**12:1 INFRARED THERMOMETER WITH "K" PORT AND AUTO ADJUSTABLE EMISSIVITY**

Ideal to use in building and plant maintenance, hazardous environments and most industrial jobs.

- Switchable ON/OFF Laser sighting
- °F/°C switchable
- High/Low Audible Alarm
- Backlit LCD Display
- Max/Min/Avg
- Auto Measuring
- Extended, long time measuring reliability
- Low Battery indication
- Ultra-low power consumption in shutdown mode
- Electronic trigger lock
- Ergonomic design
- E-Smart: Automatic emissivity adjustment for accurate measurement
- CIS: Temperature sensitivity color LCD display alert
- Auto off
- CE, RoHS, WEEE approved



- ◆ Distance to Spot (DS) ratio: 12:1
  - ◆ Range: -25° to 999°F (-32° to 535°C)
  - ◆ Emissivity: Adjustable 0.1 to 1.0
  - ◆ Accuracy (@ ambient temperature of 77°F/25°C): ±5°F (±3°C)  
within -25° to -4°F (-32° to -20°C)  
±3°F (±2°C) within -4° to 212°F  
(-20° to 100°C)  
±2% within 212° to 999°F (100° to 535°C)
  - ◆ Thermopile: 5 ~ 14µm
  - ◆ Repeatability: ±2°F (±1°C)
  - ◆ Resolution: 0.1°F (0.1°C)
  - ◆ Response Time: 500 ms.
  - ◆ Operating Temperature:  
32° to 122°F (0° to 50°C), 10 to 95%RH
  - ◆ Auto Power Off: Automatically after approx. 6 seconds
  - ◆ Thermocouple Range:  
-328° to 2516°F (-200° to 1380°C)
  - ◆ Thermocouple Accuracy: ±1° °F/°C
  - ◆ Dimensions:  
7.09 x 5.12 x 1.57 in. (180 x 130 x 40mm)
  - ◆ Weight: 6.9 oz. (195g) Approx.
  - ◆ Power Source: 1 "9V" battery (included)
  - ◆ Optional: "K" type probe
- Includes:
- Instruction manual
  - Soft carrying case

UPC NO.  
40642 7 IRT642



IRT642

**12:1 WIDE-RANGE INFRARED THERMOMETER**

Primarily used in HVAC/R and automotive applications.

- Switchable ON/OFF Laser sighting
- °F/°C switchable
- Backlit LCD Display
- Auto Measuring
- Extended, long time measuring reliability
- Temperature Data Storage
- Low Battery indication
- Ultra-low power consumption in shutdown mode
- Electronic Trigger Lock
- Auto off
- CE, RoHS, WEEE approved



- ◆ Distance to Spot (DS) ratio: 12:1
  - ◆ Range: -25° to 999°F (-32° to 535°C)
  - ◆ Emissivity: Fixed at 0.95
  - ◆ Accuracy (@ ambient temperature of 77°F/25°C): ±5°F (±3°C)  
within -25° to -4°F (-32° to -20°C)  
±3°F (±2°C) within -4° to 212°F  
(-20° to 100°C)  
±2% within 212° to 999°F  
(100° to 535°C)
  - ◆ Thermopile: 5 ~ 14µm
  - ◆ Repeatability: ±2°F (±1°C)
  - ◆ Resolution: 0.1°F (0.1°C)
  - ◆ Response Time: 500 ms.
  - ◆ Operating Temperature:  
32° to 122°F (0° to 50°C), 10 to 90%RH
  - ◆ Auto Power Off: Automatically after approx. 6 seconds
  - ◆ Battery Life: 16 hours
  - ◆ Dimensions:  
6.69 x 5.23 x 1.77 in. (170 x 133 x 45mm)
  - ◆ Weight: 5.8 oz. (163g) approx.
  - ◆ Power Source: 1 "9V" battery (included)
- Includes:
- Instruction manual
  - Soft carrying case

UPC NO.  
40650 2 IRT650



IRT650



# Infrared Thermometers

GENERAL®

**NEW!**

IRT653



## FEATURES

### 12:1 WIDE-RANGE INFRARED THERMOMETER WITH ADJUSTABLE EMISSIVITY, MEMORY AND ALARM

Primarily used in HVAC/R and other general industrial applications. Adjustable emissivity makes it ideal for almost any material to be measured.

- Switchable ON/OFF Laser sighting
- °F/°C switchable
- High/Low Audible Alarm
- Backlit LCD Display
- Min/Max/Avg/ΔT
- Auto Measuring
- Extended, long time measuring reliability
- Temperature Data Storage
- Low Battery indication
- Ultra-low power consumption in shutdown mode
- Electronic Trigger Lock
- Ergonomic design
- Auto off
- CE, RoHS, WEEE approved



## SPECIFICATIONS

- ♦ Distance to Spot (DS) ratio: 12:1
- ♦ Range: -25° to 999°F (-32° to 535°C)
- ♦ Emissivity: Adjustable 0.1 to 1.0
- ♦ Accuracy:  
(@ ambient temperature of 77°F/25°C)  
±5°F (±3°C) within -25° to -4°F  
(-32° to -20°C)  
±3°F (±2°C) within -4° to 212°F  
(-20° to 100°C)  
±2% within 212° to 999°F (100° to 535°C)
- ♦ Thermopile: 5 ~ 14μm
- ♦ Repeatability: ±2°F (±1°C)
- ♦ Resolution: 0.1°F (0.1°C)
- ♦ Response Time: 500 ms.
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C), 10 to 90%RH
- ♦ Auto Power Off: Automatically after approx. 6 seconds
- ♦ Battery Life: 16 hours
- ♦ Dimensions: 6.69 x 5.23 x 1.77 in. (170 x 133 x 45mm)
- ♦ Weight: 6.6 oz. (187g) Approx.
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Instruction manual  
• Soft carrying case

UPC      NO.  
40653 3    IRT653

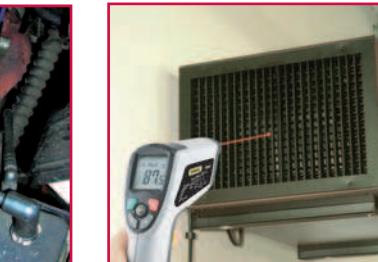
IRT670



### 30:1 HIGH-PERFORMANCE ULTRA WIDE-RANGE INFRARED THERMOMETER

High precision and high performance unit, can be used in most industrial applications, including furnaces and heat exchangers.

- Switchable ON/OFF Laser sighting
- °F/°C switchable
- High/Low Audible Alarm
- Backlit LCD Display
- Min/Max/Avg
- Auto Measuring
- Extended, long time measuring reliability
- 10 point memory
- Temperature data storage
- Low Battery indication
- Ultra-low power consumption in shutdown mode
- Electronic trigger lock
- Ergonomic design
- Auto off
- CE, RoHS, WEEE approved



- ♦ Distance to Spot (DS) ratio: 30:1
- ♦ Range: -25.6° to 1400°F (-32° to 760°C)
- ♦ Emissivity: Adjustable 0.1 to 1.0
- ♦ Accuracy:  
(@ ambient temperature of 77°F/25°C)  
±5°F (±3°C) within -25.6° to -4°F  
(-32° to -20°C)  
±3°F (±2°C) within -4° to 212°F  
(-20° to 100°C)  
±2% within 212° to 1400°F (100° to 760°C)
- ♦ Thermopile: 8 ~ 14μm
- ♦ Repeatability: ±2°F (±1°C)
- ♦ Resolution: 0.1°F (0.1°C)
- ♦ Response Time: 500 ms.
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C), 10 to 90%RH
- ♦ Auto Power Off: Automatically after approx. 6 seconds
- ♦ Battery Life: 16 hours
- ♦ Dimensions: 7.8 x 6.5 x 2 in. (200 x 166 x 51mm)
- ♦ Weight: 10.6 oz. (300g) Approx.
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Instruction manual  
• Carrying case

UPC      NO.  
40670 0    IRT670

## FEATURES

## SPECIFICATIONS

**50:1 HIGH-PERFORMANCE ULTRA WIDE-RANGE INFRARED THERMOMETER**

High precision and high performance unit, can be used in hazardous, superheated, subcooled, and other challenging industrial applications.

- Switchable ON/OFF Laser sighting
- °F/°C switchable
- High/Low Audible Alarm
- Backlit LCD Display
- Min/Max/Avg/ΔT
- Auto Measuring
- Extended, long time measuring reliability
- 10 point memory
- Temperature data storage
- Low Battery indication
- Ultra-low power consumption in shutdown mode
- Electronic trigger lock
- Ergonomic design
- Auto off
- CE, RoHS, WEEE approved



- ◆ Distance to Spot (DS) ratio: 50:1
- ◆ Range: -25.6° to 2372°F (-32° to 1300°C)
- ◆ Emissivity: Adjustable 0.1 to 1.0
- ◆ Accuracy:  
(@ ambient temperature of 77°F/25°C)  
±5°F (±3°C) within -25.6° to -4°F  
(-32° to -20°C)  
±3°F (±2°C) within -4° to 212°F  
(-20° to 100°C)  
±2% within 212° to 2372°F (100° to 1300°C)
- ◆ Thermopile: 8 ~ 14μm
- ◆ Repeatability: ±2°F (±1°C)
- ◆ Resolution: 0.1°F (0.1°C)
- ◆ Response Time: 500 ms.
- ◆ Operating Temperature: 32° to 122°F (0° to 50°C), 10 to 90%RH
- ◆ Auto Power Off: Automatically after approx. 6 seconds
- ◆ Battery Life: 16 hours
- ◆ Dimensions: 7.8 x 6.5 x 2 in. (200 x 166 x 51mm)
- ◆ Weight: 9.9 oz. (280g) Approx.
- ◆ Power Source: 1 "9V" battery (included)
- Includes:
  - Instruction manual
  - Carrying case

UPC                    NO.  
406779                IRT675



IRT675

**50:1 DATA LOGGING HIGH-RANGE INFRARED THERMOMETER**

Extremely high range and DS ratio, ideal for use in superheated and subcooled applications.

- Data hold
- Ergonomic hand grips
- 10 point data memory
- 4 digit backlit dual display
- Auto power off
- Adjustable laser sight
- °F/°C selectable
- Min/Max/Avg and differential
- Audible alarm
- Low battery indication
- CE and RoHS approved

- ◆ Distance to Spot (DS) ratio: 50:1
- ◆ Range: -58° to 1832°F (-50° to 1000°C)
- ◆ Emissivity: Adjustable 0.1 to 1.1
- ◆ Dimensions: 7.9 x 5 x 1.9 in. (200 x 127 x 47mm)
- ◆ Weight: 11.7 oz. (330g)
- ◆ Power Source: 1 "9V" battery (included)
- Includes:
  - Data logger software
  - 1 "K" probe
  - Molded hard case
  - Software
  - Cable

UPC                    NO.  
520460                IRT500DL



CE  
RoHS

IRT500DL

**6:1 POCKET HVAC/R GENERAL PURPOSE INFRARED THERMOMETER**

Convenient and accurate measurement in most HVAC/R application and industrial jobs.

- Easy to use
- Auto power off
- Lock function
- Min/Max readings
- Fits in your pocket
- CE approved

- ◆ Distance to Spot (DS) ratio: 6:1
- ◆ Range: -67° to 482°F (-55° to 250°C)
- ◆ Emissivity: Fixed at 0.95
- ◆ Accuracy: ±0.6 °F/°C
- ◆ Response time: 1 second
- ◆ Dimensions: 4.1 x 2 x 0.7 in. (104 x 51 x 18mm)
- ◆ Weight: 4.6 oz. (130g)
- ◆ Power Source: 2 "CR2032" batteries (included)
- Includes:
  - Neck strap

UPC                    NO.  
201992                IRT203



CE

IRT203

# Infrared Thermometers

GENERAL®



**CE**  
IRT105



## FEATURES

### 1:1 HEAT CHECK MINI INFRARED

Ideal for most HVAC/R job sites. Compact size.

- Ideal for landlord/tenant disputes
- Easy to use
- Auto power off
- Lock function
- Min/Max readings
- Fits in your pocket
- CE approved

## SPECIFICATIONS

- ♦ Distance to Spot (DS) ratio: 1:1
  - ♦ Range: -27° to 428°F (-33° to 220°C)
  - ♦ Emissivity: Default at 0.95, Adjustable 0.05
  - ♦ Accuracy: ±0.6 °C/F
  - ♦ Response time: 1 second
  - ♦ Dimensions: 2.7 x 1.5 x 0.7 in. (68 x 37 x 18mm)
  - ♦ Weight: 2.7 oz. (76g)
  - ♦ Power Source: 2 "CR2032" batteries (included)
- Includes:
- Wrist strap

UPC      NO.  
201961    IRT105



**CE**  
IRT305K

### 8:1 STICK STYLE WIDE-RANGE INFRARED WITH "K" TYPE PORT

Ideal for applications in HVAC/R, automotive, electrical and other industrial jobs.

- Laser sighting
- "K" type port
- Bright backlight
- Average/high/low
- Alarm function
- °F/°C switch
- Auto power off
- Min/Max readings
- Lock function
- CE approved

- ♦ Distance to Spot (DS) ratio: 8:1
  - ♦ Range: -76° to 932°F (-60° to 500°C)
  - ♦ Emissivity: Fixed at 0.95
  - ♦ "K" port thermocouple range: -832° to 1990°F (-64° to 1400°C)
  - ♦ Accuracy: ±2° F/C
  - ♦ Response time: 1 second
  - ♦ Dimensions: 5.4 x 1.7 x 1.2 in. (138 x 43 x 30mm)
  - ♦ Weight: 3.1 oz. (88g)
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- Wrist strap

UPC      NO.  
202050    IRT305K



**CE**  
IRT40-20WR

### 20:1 HIGH-RANGE INFRARED THERMOMETER WITH "K" TYPE PORT

High Temperature Range, 20:1 DS ratio, suitable for superheated and subcooled applications.

- Dual purpose thermometer with infrared and contact functions
- Auto power off
- Low battery indication
- "K" type thermocouple port
- °F/°C selectable
- High and low temperature alarm
- Min/Max modes
- Differential and average temperature functions
- Low battery indication
- CE approved

- ♦ Distance to Spot (DS) ratio: 20:1
- ♦ Range: -76° to 1400°F (-60° to 760°C)
- ♦ Emissivity: Adjustable 0.1 to 1.0
- ♦ "K" type range: -83° to 1999°F (-64° to 1400°C)
- ♦ Response time: 1 sec
- ♦ Dimensions: 6.9 x 2.8 x 1.5 in. (175 x 72 x 39mm)
- ♦ Weight: 10.1 oz. (285g)
- ♦ Power Source: 2 "AAA" batteries (included)

UPC      NO.  
203507    IRT40-20WR



**CE**  
IRT2

### 6:1 ECONOMY GUN STYLE INFRARED THERMOMETER WITH LASER

Ideal to use in HVAC/R and automotive applications.

- Precise non-contact measurement
- Laser target pointer
- Backlight
- °F/°C selectable
- Auto power off
- Jumbo LCD display
- Lightweight
- Ideal for measuring hot or moving objects
- CE approved

- ♦ Distance to Spot (DS) ratio: 6:1
  - ♦ Range: -4° to 500°F (-20° to 260°C)
  - ♦ Emissivity: Fixed at 0.95
  - ♦ Accuracy: ±3%
  - ♦ Resolution: 1°
  - ♦ Response time: 500 m/sec
  - ♦ Dimensions: 6.25 x 3.11 x 2.25 in. (159 x 79 x 57mm)
  - ♦ Weight: approx. 6.3 oz. (179g)
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- Wrist strap
  - Carrying case

UPC      NO.  
208809    IRT2

# Infrared Thermometers/Digital Thermometers

## FEATURES

### 25:1 HACCP FOOD SERVICE INFRARED THERMOMETER WITH CONTACT PROBE

Primarily used for food service.

- Hazard Analysis and Critical Control Point (HACCP) check mode features 3 visible LED icons to indicate whether the temperature is within FDA guidelines for frozen or hot foods
- Non-contact infrared for surface temperature and an attached stainless steel probe for internal temperature
- Min/Max mode
- Lock mode for continuous readings of up to 30 minutes for infrared temperatures and 4 minutes for internal readings
- °F/°C selectable
- Adjustable emissivity
- Auto power off
- CE approved

## SPECIFICATIONS

- ◆ Distance to Spot (DS) ratio: 25:1
- ◆ Infrared Range:  
-67° to 572°F (-55° to 250°C)
- ◆ Infrared Accuracy: 1.8°F up to 150°F, ±1.5% of reading thereafter
- ◆ Infrared Resolution: .5°F (.2°C)
- ◆ Contact Probe Range: -67° to 626°F (-55° to 330°C)
- ◆ Contact Probe Accuracy: Below 23°F: 1.8°F, 23° to 150°F: 0.8°F, Above 150°F: ±1% of reading
- ◆ Dimensions:  
.87 x 1.5 x 7.48 in. (22 x 38 x 190mm)
- ◆ Weight with battery: 3.15 oz. (80g)
- ◆ Power Source: 1 "9V" battery (included)

UPC NO.  
20303 0 IRT303HACCP



CE

IRT303HACCP

### 8:1 GUN-STYLE INFRARED THERMOMETER WITH LASER

Wide temperature range and high DS ratio allowing more applications in HVAC/R, automotive, electrical and other industrial jobs.

- Precise non-contact measurement
- Laser target pointer
- Automatic data hold
- Bright backlight
- °F/°C selectable
- Auto power off
- Ideal for measuring very hot or moving objects
- CE approved

- ◆ Distance to Spot (DS) ratio: 8:1
  - ◆ Range: -4° to 788°F (-20° to 420°C)
  - ◆ Emissivity: Fixed at 0.95
  - ◆ Accuracy: ±4°F (2°C), ±2% of reading
  - ◆ Response time: 500 m/sec
  - ◆ Resolution: 1°
  - ◆ Dimensions:  
6.7 x 1.7 x 1.6 in. (170 x 43 x 41mm)
  - ◆ Weight: approx. 4.9 oz. (139g)
  - ◆ Power Source: 1 "9V" battery (included)
- Includes:
- Carrying case
  - Lanyard

UPC NO.  
20900 4 IRT4



CE

IRT4



### MINI STYLE INPUT WIDE-RANGE DATA LOGGING THERMOMETER

For use in labs, industrial control and audits and measuring surface temperature.

- Small size
- Auto ranging
- Auto power off
- Min/Max memory
- Data hold
- °F/°C switch
- Easy-to-use
- Calibration screw
- CE approved

- ◆ Range: -328° to 2498°F (-200° to 1370°C)
  - ◆ Accuracy: ±0.3% of reading
  - ◆ Resolution 0.1°F (0.1°C)
  - ◆ Sampling rate: 2.5 times/second
  - ◆ Dimensions:  
6.5 x 2.3 x 1.25 in. (165 x 58 x 41mm)
  - ◆ Power Source: 1 "9V" battery (included)
- Includes:
- Carrying case
  - 1 "K" type beaded tip probe (TPK500)

UPC NO.  
21020 8 DT307-2.5



CE

DT307-2.5

# Professional Hand-Held Thermometers

GENERAL®



DT721

**FEATURES****WIDE RANGE DUAL PORT DIGITAL THERMOMETER WITH BOOT**

For use in labs, industrial control and audits, measuring differential temperature T1/T2 and "K" & "J" thermocouple inputs.

- Jumbo Display with four digit LCD
- Dual Channel "K" type ports T1/T2
- Accepts "K" and "J" thermocouples
- Fast response
- Hi/Lo temperature alarm
- Temperature hold
- Min/Max/Avg
- Clock setting
- Relative temperature mode
- Low Battery and Overload indicators
- Auto Power off
- Protective rubber housing
- Instrument displays in °F/°C/Kelvin- absolute temperature

- ♦ Range: "K" -148° to 2372°F  
"J" range -148° to 1832°F
- ♦ Temperature Accuracy: ± 0.1% + 1°F
- ♦ Temperature resolution:  
0.1° up to 99.9° and 1° thereafter
- ♦ Sampling rate: 1 second
- ♦ Battery Life: 550 hours
- ♦ Operating Conditions:  
32° to 122°F, 0-80%RH
- ♦ Storage Conditions: -4° to 140°F, 0-80%RH
- ♦ Dimensions:  
6.5 x 3.0 x 13 in. (164 x 76 x 32mm)
- ♦ Weight: 15 oz. (415g) with batteries
- ♦ Power Source: 4 "AAA" batteries (included)
- Includes: • 2 "K" type beaded thermocouples (TPK500)  
• Protective Boot

<b>UPC</b>	<b>NO.</b>
21009 3	DT721



CE  
RoHS  
DT8801

**DIGITAL THERMOMETER WITH ONE "K" TYPE PROBE AND CASE**

For use in labs, industrial control and audits and measuring differential temperature T1/T2.

- Single probe input
- Accepts "K" type thermocouple probes
- Data hold
- Max hold
- °F/°C switch
- Auto power off
- CE and RoHS approved

- ♦ Range: -58° to 2000°F (-50° to 1093°C)
- ♦ Accuracy: ±1.8°F from -22° to 302°F  
±4°F at all other ranges;  
±1°C from -30° to 150°C;  
±2°C at all other ranges
- ♦ Probe length: 5 in. with 3 ft. cord
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Molded hard case  
• 1 "K" type beaded tip probe (TPK500)

<b>UPC</b>	<b>NO.</b>
21005 5	DT8801



CE  
RoHS  
DT8811WP

**WATERPROOF DIGITAL THERMOMETER**

For use in labs, industrial control and audits and measuring differential temperature T1/T2.

- Waterproof
- Temperature °F/°C selectable
- Single input
- IP66 waterproof rating design
- Auto ranging
- Backlight
- Auto power off
- Min/Max Memory
- Keypad
- CE and RoHS approved

- ♦ Range: -328° to 2372°F (-200° to 300°C)
- ♦ Accuracy: ±1.8°F (±1°C)
- ♦ Sampling rate: 2.5 per sec.
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Molded hard case  
• Waterproof "K" probe with boot (TPK500)

<b>UPC</b>	<b>NO.</b>
21090 1	DT8811WP

# Professional Hand-Held Thermometers

## FEATURES

### DIGITAL THERMOCOUPLE THERMOMETER

For use in labs, industrial control and audits and measuring differential temperature T1/T2.

- Dual probe input
- Accepts "K", "J" & "T" type probes
- T1/T2 temperature differential
- Data hold
- Record feature
- Relative clock
- °F/°C switch
- Backlight
- Auto power off
- Low battery indicator
- RS-232 computer interface
- Replaces DT8803
- CE and RoHS approved

## SPECIFICATIONS

- ◆ "K" type temperature range:  
-328° to 2498°F (-200° to 1370°C)
- ◆ Accuracy: 0.1% ( $\pm 1^{\circ}\text{F}$ )
- ◆ Resolution: 0.1 to 1
- ◆ Response time: 1 sec.
- ◆ Dimensions:  
7.16 x 2.83 x 1.18 in. (182 x 72 x 30mm)
- ◆ Power Source: 1 "9V" battery (included)
- Includes: • 2 "K" type probes (TPK500)  
• Molded hard case

UPC	NO.
21012 3	DT8852
12710 0	ASFT KIT PC Interface Kit (Optional)



CE  
RoHS  
DT8852

### DIGITAL PLATINUM RTD THERMOMETER/DATA LOGGER

For use in labs, industrial control.

- Pt 3916/3926/385 RTD standard
- Stand-alone logging function 97 sets
- 4,200 data logging capacity
- Warning beeper with high/low setting
- Max/min with Time, Max-Min, Average, Hold
- C/F/K user selectable
- Backlight LCD display
- CE approved

- ◆ "K" type temperature range:  
-328° to 2498°F (-200° to 1370°C)
- ◆ Accuracy: 0.1% ( $\pm 1^{\circ}\text{F}$ )
- ◆ Resolution: 0.1 to 1
- ◆ Response time: 1 sec.
- ◆ Dimensions:  
7.16 x 2.83 x 1.18 in. (182 x 72 x 30mm)
- ◆ Power Source: 6 "AAA" batteries (included)
- Includes: • Software  
• RS232 cable  
• Manual

UPC	NO.
21030 7	PRDT1317DL



CE  
PRDT1317DL



### WATERPROOF KEY PAD THERMOMETER WITH ALARM

Ideal for reading surface temperature where water is present, such as aquarium maintenance, whirlpool therapy and pool maintenance.

- High and low alarm function
- Min/Max memory recall feature
- Temperature °F/°C selectable
- Data hold/test function
- 1 second sensing time
- Stainless steel sensor probe
- Auto power off
- Protective plastic cap for probe
- Pocket clip and stand on back
- Sensor wire compartment
- CE approved

- ◆ Range: -58° to 302°F (-50° to 150°C)
- ◆ Accuracy:  $\pm 1.8^{\circ}\text{F}$  ( $\pm 1^{\circ}\text{C}$ )
- ◆ Probe length: 5 in. with 3 ft. cord
- ◆ Power Source: 1 "LR44" battery (included)

UPC	NO.
21070 3	DKP300MA



CE  
DKP300MA

### DIGITAL JUMBO DISPLAY SERVICE THERMOMETER

For use in labs, industrial control and food service applications.

- Displays ambient temperature and remote temperature via probe
- Temperature alarm function with high and low limits
- Audible and visual alarm set points
- Probe is immersible in water
- Clock displays hours and minutes
- Sensor wire compartment
- CE approved

- ◆ Resolution: 0.1°
- ◆ Accuracy:  $\pm 1.8^{\circ}\text{F}$  ( $\pm 1^{\circ}\text{C}$ )
- ◆ Response time: 1 second
- ◆ Probe length: 5.125 in.
- ◆ Power Source: 1 "AAA" battery (included)
- Includes: • Wrist strap

UPC	NO.
21060 4	PT300M



Range: -58° to 302°F  
(-50° to 150°C)



CE  
PT300M

# "K" Type Probes

GENERAL®

All "K" type probes fit and work with: DT8801, DT8803, DT307-2.5, DT8852, DT721, DT306DL, DT309DL, DT8811WP

**GENERAL PURPOSE "K" TYPE PROBE WITH CORD**

- Range: -58° to 482°F (-50° to 250°C)
- Probe length: 3.75 in.
- Cord length: 4 ft.

UPC	NO.
25001 3	TPK02



TPK02

**AIR TYPE PROBE WITH CORD**

- Range: -40° to 950°F (-40° to 510°C)
- Probe length: 8 in.
- Cord length: 4 ft.

UPC	NO.
25004 4	TPK04

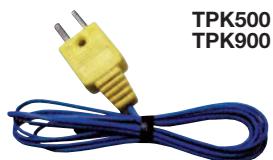


TPK04

**GENERAL PURPOSE BEADED TIP PROBES**

- TPK500: -50° to 500°F (-45° to 260°C)
- TPK900: Up to 900°F (482°C)
- Wire length: 3.125 ft.

UPC	NO.
25015 0	TPK500
25020 4	TPK900 (Hi Temp)

TPK500  
TPK900**HIGH TEMPERATURE PROBE WITH CORD**

- Molten metal probe
- For high temperatures
- Range: Up to 2500°F (1347°C)
- Wire length: 2 ft.

UPC	NO.
25080 8	TPK2500

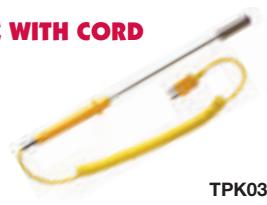


TPK2500

**SURFACE SENSOR "K" TYPE PROBE WITH CORD**

- Range: -40° to 950°F (-40° to 510°C)
- Probe length: 8 in.
- Cord length: 4 ft.

UPC	NO.
25003 7	TPK03



TPK03

**EXPOSED TIP "K" TYPE PROBE WITH CLAMP**

- Range: -58° to 1202°F (-50° to 650°C)
- Wire length: 6 ft.

UPC	NO.
25060 0	TPKPP



TPKPP

**BEADED TIP "K" TYPE PROBE WITH OVEN CLIP**

- Range: -40° to 950°F (-40° to 510°C)
- Heavy duty clip
- Wire length: 4 ft.

UPC	NO.
52504 0	OC119

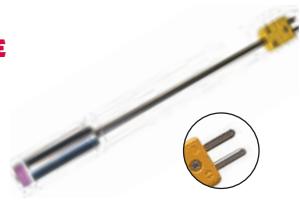


OC119

**PLUG-IN "K" TYPE SURFACE PROBE**

- Range: -40° to 950°F (-40° to 510°C)
- Probe length: 8 in.
- Best if used with probe extender, Model TPKH

UPC	NO.
25045 7	SSP144



SSP144

**PLUG-IN "K" TYPE PIERCING PROBE**

- Range: -40° to 1562°F (-40° to 850°C)
- Probe length: 8 in.
- Best if used with probe extender, Model TPKH

UPC	NO.
25050 1	SSP145



SSP145

**PLUG-IN "K" TYPE AIR PROBE**

- Range: -40° to 500°F (-40° to 260°C)
- Probe length: 8 in.
- Best if used with probe extender, Model TPKH

UPC	NO.
25055 6	SSP146



SSP146

**"K" TYPE THERMOCOUPLE PROBE EXTENDER**

- Extender with handle for use with interchangeable probe tips
- Cord length: 4 ft.

UPC	NO.
25070 9	TPKH



TPKH



# Digital Stem Thermometers

## FEATURES

### DIGITAL THERMOMETER

- Auto power off
- °F/°C switch
- Food safe stainless steel 5 in. stem



## SPECIFICATIONS

- ♦ Resolution: ± 0.1°
- ♦ Accuracy: ±1.8°F (±1°C)
- ♦ Power Source: 1 "LR44" battery (included) plus 1 Extra "LR44" battery (included)

UPC NO.  
20033 9 DPT300E



Range: -40° to 302°F (-40° to 150°C)

DPT300E

### DIGITAL THERMOMETER

- Instant Read
- °F/°C selectable
- Food Safe
- Stainless Steel
- 4.5 in. (114mm) Stem
- Flat Edge, Non-Roll Case



- ♦ Temperature Range: -40° to 302°F (-40° to 150°C)
- ♦ Resolution: ±0.1°
- ♦ Accuracy: ±1.8°F (±1°C)
- ♦ Probe Length: 4.5 in. (114mm)
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20035 3 DPT301FC



DPT301FC

### WATER RESISTANT DIGITAL STEM THERMOMETER

- On/off switch
- °F/°C switch
- Min/Max memory
- Pocket clip

- ♦ Resolution: ±0.1°
- ♦ Accuracy: ±1.8°F (±1°C)
- ♦ Sampling Rate: 1 second
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20050 6 DPT392FC



Range: -14° to 392°F  
(-10° to 200°C)

DPT392FC

### SURFACE DIGITAL STEM THERMOMETER

- On/off Switch
- °F/°C switch
- Pocket clip
- Replaces DST300



- ♦ Resolution: ±0.1°
- ♦ Accuracy: ±1.8°F (1°C)
- ♦ Sampling Rate: 1 second
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20075 9 DST570



DST570

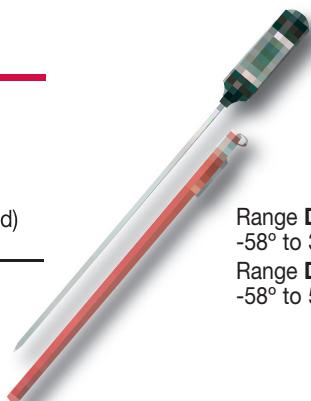
Range DST570:  
-50° to 572°F (-50° to 300°C)

### LAB DIGITAL STEM THERMOMETERS

- On/off switch
- Auto power off
- °F/°C switch
- Pocket clip

- ♦ Resolution: ±0.1°
- ♦ Accuracy: ±2.5°F (2°C)
- ♦ Sampling Rate: .05 seconds
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20135 0 DT310LAB  
20140 4 DT510LAB



Range DT310LAB:  
-58° to 302°F (-50° to 150°C)

Range DT510LAB:  
-58° to 536°F (-50° to 280°C)

DT310LAB  
DT510LAB

# Digital Stem Thermometers

GENERAL®

DT320TH  
DT520TH

Range **DT320TH**:  
-58° to 302°F (-50° to 150°C)  
Range **DT520TH**:  
-58° to 536°F (-50° to 280°C)



## FEATURES

**T-HANDLE DIGITAL STEM THERMOMETERS**

- On/Off Switch
- °F/°C switch
- Pocket clip

## SPECIFICATIONS

- ♦ Resolution: ±0.1-1°
- ♦ Accuracy: ±1.8°F (1°C)
- ♦ Sampling Rate: 1 second
- ♦ Power Source: 1 "LR44" battery (included)

UPC	NO.
20150 3	DT320TH
20160 2	DT520TH

Range **DT340RH**:  
-58° to 572°F (-50° to 300°C)  
Range **DT540RH**:  
-58° to 536°F (-50° to 280°C)

DTH340RH  
DTH540RH**ROTARY HEAD DIGITAL STEM THERMOMETERS**

- On/Off switch
- Auto power off
- °F/°C switch
- Pocket clip

- ♦ Resolution: ±0.1°
- ♦ Accuracy: ±2°F (1°C)
- ♦ Power Source:  
1 "CR2023" battery (included)

UPC	NO.
20115 2	DT340RH includes 1 extra battery
20120 6	DT540RH

DT572WPB

Range:  
-58° to 572°F (-50° to 300°C)

**WATERPROOF HI-TEMP DIGITAL STEM THERMOMETER**

- On/Off switch
- °F/°C switch
- Min/Max memory
- Data hold switch
- Pocket clip
- Cover fits on back for additional length

- ♦ Range: -58° to 572°F (-50° to 300°C)
- ♦ Accuracy: ±3°F (2°C)
- ♦ Sampling Rate: 1 second
- ♦ Power Source: 1 "CR2023" battery (included)

UPC	NO.
20145 9	DT572WPB

DT605MFC  
DT655HFC**WATERPROOF KEY PAD DIGITAL STEM THERMOMETERS****DT605MFC**

- On/Off Switch
- Auto power off
- Min/Max memory
- ♦ Accuracy: ±1.8°F
- ♦ Resolution: 0.1-1°
- ♦ Power Source: 1 "LR44" battery (included)

UPC	NO.
20165 7	DT605MFC

Range **DT605MFC**:  
-58° to 302°F (-50° to 150°C)  
Range **DT655HFC**:  
-58° to 536°F (-50° to 280°C)

**DT655HFC**

- On/Off Switch
- Auto power off
- °F/°C switch
- ♦ Accuracy: ±8°F (6°C)
- ♦ Resolution: 0.1-1°
- ♦ Power Source: 1 "LR44" battery (included)

UPC	NO.
20170 1	DT655HFC



# Digital Stem Thermometers

## FEATURES

### KEY PAD DIGITAL STEM THERMOMETERS

**DT610MF**

- On/Off Switch
- Auto power off
- °F/°C switch
- Min/Max memory
- ♦ Resolution: 0.1-1°
- ♦ Accuracy: ±1.8°F (1°C)
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.

20175 6 DT610MF

## SPECIFICATIONS

**DT618HF**

- On/Off Switch
- Auto power off
- ♦ Resolution: 0.1-1
- ♦ Accuracy: ±8°F (6°C Avg)
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20185 5 DT618HF**DT610MF**

Range: -58° to 302°F (-50° to 150°C)

**DT618HF**

Range: -58° to 536°F (-50° to 300°C)

### DELUXE DIGITAL STEM THERMOMETER

Ideal for Household and Commercial Uses.

- Temperature hold switch
- Auto power off
- °F/°C switch
- Pocket clip
- Drop Resistant

- ♦ Temperature Range: -40° to 302°F (-40° to 150°C)
- ♦ Resolution: ± 0.1°
- ♦ Accuracy: ± 1.8°F (±1°C)
- ♦ Probe Length: 2.5 in. (64mm)
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20005 6 HDT303K**HDT303K**

Range: -40° to 302°F (-40° to 150°C)

### DELUXE DIGITAL STEM THERMOMETER

Ideal for Food Preparation, Household, Manufacturing, Photography, Hobby, Automotive, Heating, Refrigeration.

- Temperature hold switch
- Auto power off
- °F/°C switch
- Pocket clip
- Drop Resistant

- ♦ Temperature Range: -40° to 302°F (-40° to 150°C)
- ♦ Resolution: ± 0.1°
- ♦ Accuracy: ± 1.8°F (±1°C)
- ♦ Probe Length: 2.5 in. (64mm)
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20005 6 HDT304K**HDT304K**

Range: -40° to 302°F (-40° to 150°C)

### HVAC/R DIGITAL STEM THERMOMETER

- On/Off switch
- °F/°C switch
- Data hold switch
- Pocket clip
- Velcro strip for pipes
- Magnetic back for grilles and registers

- ♦ Resolution: ±0.1°
- ♦ Accuracy: ±1.8°F (1°C)
- ♦ Sampling Rate: 1 second
- ♦ Power Source: 1 "LR44" battery (included)

UPC NO.  
20006 3 YHDT303KVM**YHDT303KVM**

Range: -40 to 302°F (-40 to 150°C)

# Analog Food Service Thermometers

GENERAL®

**FEATURES****SPECIFICATIONS****HORIZONTAL REFRIGERATOR AND FREEZER THERMOMETER**

FT80H

- Horizontal reading
- Hanging or free standing
- Easy to read display
- °F/°C scales

- ♦ Range: -20° to 80°F (-48° to 27°C)
- ♦ Dimensions: 1.25 x 4.75 x 0.75 in. (32 x 121 x 19mm)

<b>UPC</b>	<b>NO.</b>
24015 1	FT80H



FT80R

**REFRIGERATOR/FREEZER THERMOMETER**

- Stainless steel
- Hanging or free standing
- Easy-to-read round dial
- °F/°C scales
- Temperature Indicators

- ♦ Range: -20° to 80°F (-29° to 27°C)
- ♦ Dial diameter: 2.5 in.

<b>UPC</b>	<b>NO.</b>
24005 2	FT80R

320  
321**ANALOG POCKET THERMOMETERS WITH MAGNIFYING LENS**

- Range **320**: -40° to 160°F
- Range **321**: -0° to 220°F
- Rugged stainless steel probe



Includes: • Protective sheath with pocket clip

<b>UPC</b>	<b>NO.</b>
00320 1	320
22391 3	321



PT500P

**ANALOG THERMOMETER**

- NSF approved thermometer, ideal for cooking and other food service applications
- 3 temperature ranges available
- Magnified dial
- Durable stainless steel probe
- Rugged construction
- Small size
- Easy-to-read display
- °F only

- ♦ Range: 50° to 550°F
- ♦ Response time: 15 seconds
- ♦ Dial diameter: 1 in.
- ♦ Probe length: 5 in.

Includes: • Plastic sheath with pocket clip

<b>UPC</b>	<b>NO.</b>
23070 1	PT500P



# Analog Food Service Thermometers

## FEATURES

## SPECIFICATIONS

### LONG-STEM ANALOG THERMOMETER

For agricultural and gardening applications.

- Ideal for agriculture
- Glass lens
- Durable stainless steel probe
- Rugged construction
- 2 in. dial
- Easy to read display

- ♦ Range: 0° to 220°F
- ♦ High Temperature: 50° to 550°F (50° to 285°C)
- ♦ Length: 8 in. long
- ♦ Dial diameter: 2 in.

UPC      NO.  
23100 5    PT2008G-550



PT2008G-550



### OVEN THERMOMETER

For use in cooking applications.

- Stainless steel
- Hanging or free standing
- Easy-to-read round dial
- °F/°C
- Temperature Indicators

- ♦ Range: 100° to 600°F (38° to 315°C)
- ♦ Dial diameter: 2.5 in.

UPC      NO.  
24020 5    OT550



OT550



### ANALOG MEAT COOKING THERMOMETER

- Ideal for cooking
- Large Easy-to-Read Dial
- Durable Construction
- 4.5 in. (114mm) Food Safe Stainless Steel Stem
- Oven Safe
- Dishwasher Safe

- ♦ Range: 120° to 210°F (49° to 99°C)
- ♦ Resolution: ±2°
- ♦ Rugged stainless steel design
- ♦ Suggested cooking temperatures for different meats
- ♦ Probe Length: 4.5 in. (114mm)

UPC      NO.  
20928 8    MT200



MT200

# Digital Food Service Thermometers

GENERAL®



RWT800

**FEATURES****DIGITAL COOKING THERMOMETER/TIMER**

- Ideal for cooking
- Auto Power Off
- Easy-to-Read Timer and Thermometer
- Easy-to-Read Temperature Setting
- Pre-programmed Taste Levels
- Programmable Levels: Rare, Medium Rare, Medium, Well Done
- Stainless Steel Probe with 3 ft. Cable
- Combination Belt Clip and Stand
- Alarm Sounds when Food is Done

**SPECIFICATIONS**

- ♦ Range: 32° to 212°F (0° to 100°C)
- ♦ Power Source: 2 "AAA" batteries (not included)
- Includes: • Belt clip with stand

**UPC**      **NO.**  
20951 6      RWT800



WBT700

**WIRELESS COOKING THERMOMETER**

- Cook Temp and Set Temp at a glance
- Timer Function in both Main Unit and Pager
- Stainless Steel Probe with 3 ft. Cable
- °F/°C selectable
- Set to Desired Time and Temperature
- Pager Alarm Sounds when Food is Done

- ♦ Range: 14° to 392°F (-10° to 200°C)
- ♦ Power Source: Main unit: 2 "AAA" batteries (not included)  
Pager: 2 "AAA" batteries (not included)

**UPC**      **NO.**  
20952 3      WBT700



DWS350SSQ

**DELUXE DIGITAL STEM THERMOMETER WITH QUICK TIP**

10 times faster than regular probes. Dishwasher safe cooking thermometer.

- Rugged Stainless Steel Construction
- Submersible
- "Quick Tip™" Rapid Response (Pat. Pend.)
- "Self-Set™" Calibrating (Patented)
- Waterproof
- °F/°C switchable
- Min/Max memory
- Data hold button
- Calibration switch
- Fast Response

- ♦ Range: -40° to 450°F (-40° to 232°C)
- ♦ Accuracy: ±1.8° to 3.6°F (±1° to 2°C)
- ♦ Power Source: 1 "LR44" battery (included)

**UPC**      **NO.**  
20010 0      DWS350SSQ



DKT900

**DIGITAL COOKING/GENERAL PURPOSE THERMOMETER**

- Automatic shutoff
- °F/°C switch
- Ideal for cooking
- Durable stainless steel stem

- ♦ Range: -40° to 302°F (-40° to 150°C)
- ♦ Power Source: 1 "LR44" battery (included)

**UPC**      **NO.**  
20927 1      DKT900

# Indoor/Outdoor Thermometers

## FEATURES

## SPECIFICATIONS

### JUMBO DISPLAY IN/OUTDOOR THERMOMETER

For measuring and monitoring both indoor and outdoor temperature.

- Measures with water resistant outdoor probe
- Monitors outdoor temp. -58° to 158°F
- Monitors indoor temp. 32° to 122°F
- Large jumbo LCD display
- Recall of Min/Max
- 12 ft. cable with probe
- Wall mount or stand for desktop display
- 12/24 hour clock

- ♦ Range:  
-58° to 158°F (-50° to 70°C)
- ♦ Dimensions:  
4 x .75 x 4.5 in. (102 x 19 x 114mm)
- ♦ Power Source: 1 "AAA" battery  
(included)
- Includes: • Mounting accessories

UPC                  NO.  
10012 7            DT898P



DT898P

### DIGITAL RECORDING THERMOMETER WITH EXTERNAL PROBE

Ideal for walk-in refrigerators, reach-in boxes, as well as household and lab applications.

- Displays inside and outside temperature simultaneously with current time & date
- Records minimum and maximum temperatures with exact time and date stamp
- Waterproof exterior sensor cable is extremely thin for easy threading through windows
- Ideal for refrigeration walk-in & reach-in boxes, household, lab and much more
- °F/°C selectable
- For hanging or free standing

- ♦ Indoor range: 14° to 176°F (-10° to 80°C)
- ♦ Outdoor range: -40° to 176°F (-40° to 80°C)
- ♦ Resolution: 0.5°
- ♦ Accuracy: ±1.8°F (±1°C)
- ♦ Dimensions: 3.5 x 3.5 x 1 in.
- ♦ Probe length: 6.5 ft. (2m)
- ♦ Display size: 2.45 x 1.57 in.
- ♦ Dimensions:  
3.5 x 3.5 x 1 in. (89 x 89 x 25mm)
- ♦ Power Source: 1 "AAA" battery (included)

UPC                  NO.  
24155 4            DTR900



DTR900

# Wireless Temperature / Humidity

GENERAL®



**EMR963HG**  
Sensor THGR268

## FEATURES

### WIRELESS THERMO-HYGROMETER WITH REMOTE SENSOR

Use in general monitoring of environment: building, plant, silo, warehouse and storage.

- Monitors temperature and humidity from up to 90 feet away
- °F/°C selectable
- Up to three sensors may be used with base station
- Includes one remote sensor
- Jumbo display
- Min/Max memory
- Trend information
- Comfort indicator
- **THGR268** - Additional Remote Temperature and Humidity Sensor
- CE and RoHS approved

## SPECIFICATIONS

- ♦ Indoor and outdoor temperature range: -58° to 158°F (-50° to 70°C)
- ♦ Indoor and outdoor humidity range: 25% to 90%
- ♦ Temperature resolution: 0.2°F (0.1°C)  
Humidity resolution: 1%
- ♦ Transmitting range: up to 90 ft.
- ♦ Transmission interval: approximately every 30 seconds
- ♦ Transmission frequency: 433 MHz
- ♦ Dimensions: Base: 4.5 x 4 x 0.75 in.  
Sensor: 4 x 2.75 x 0.75 in.
- ♦ Weight: (w/o batteries):  
Base station: 5.5 oz. (156g);  
Sensor: 2.2 oz. (62g)
- ♦ Power Source:  
Base station: 2 "AA" batteries (included)  
Sensor: 2 "AA" batteries (included)
- Includes: • 1 wireless temperature/humidity sensor Model THGR268

UPC	NO.
60070 2	<b>EMR963HG</b>
60073 3	<b>THGR268</b> sensor-temperature and humidity



**DTC500**

### DIGITAL WIRELESS THERMOMETER/CLOCK

General monitoring of temperature.

- Displays Indoor & Outdoor Temperature
- Min/Max Temperature Display
- Alarm Clock with Dual Snooze, Day and Date
- 3 Channel capable Wireless Thermometer
- Temperature Trend Indicator
- Perpetual Calendar
- Super Bright LED Backlight
- °F/°C, 12/24 Hours Selectable
- CE approved

- ♦ Range:  
Indoor: 32° to 122°F (0° to 50°C)  
Outdoor: -4° to 140°F (-20° to 60°C)
- ♦ Power Source:  
Base station: 2 "AA" batteries (not included)  
Remote unit: 2 "AAA" batteries (not included)
- Includes: • RSA-T remote sensor

UPC	NO.
60016 0	<b>DTC500</b>



**CE**  
**EMR813**

### 3 CHANNEL CAPABLE WIRELESS THERMOMETER WITH REMOTE

Used to monitor and measure indoor and outdoor temperature.

- Min/Max memory
- Programmable Temperature Alert
- °F/°C Selectable
- CE approved



- ♦ Range:  
Indoor: 32° to 122°F (0° to 50°C)  
Outdoor: -4° to 140°F (-20° to 60°C)
- ♦ Power Source: 2 "AAA" batteries (not included)

Includes: • 1 RSAT remote sensor

UPC	NO.
60017 7	<b>EMR813</b>



**FEATURES****WATERPROOF/SPLASH PROOF PANEL METER**

Ideal for all weather conditions, measures outdoor temperatures.

- Low battery indication
- Display flashes
- Mounting thickness 0.3 in. (8mm)
- Accessible Functions: Power on/off
- Display digit size: .5 x .3 in. (12 x 6.5mm)
- Display window size: 1.5 x .7 in. (38 x 19mm)
- CE approved

**SPECIFICATIONS**

- ◆ Range: -58° to 158°F (-50° to 70°C)
- ◆ Accuracy: ±2°F (±1°C)
- ◆ Display resolution: 0.1 in. between -19.9° to 158° otherwise 1°
- ◆ Sampling rate: 10 seconds
- ◆ Sensor cord length: 33 in. (838mm)
- ◆ Dimensions:
  - Front frame: 2.8 x 1.9 in. (72 x 47mm)
  - Case body: 2.1 x 1.1 x .5 in. (54 x 28.6 x 12.5mm)
  - Mounting frame: 2.8 x 1.6 (71.1 x 40.6mm)
- ◆ Power Source: 1 "LR44" battery (included)

<b>UPC</b>	<b>NO.</b>
01234 5	MN630WP



MN630WP

**STANDARD DIGITAL PANEL METER WITH EXTERNAL SENSOR**

Wide range of applications.

- °F/C switch
- High/low alarm
- Jumbo digital display
- 10 ft. cord with stainless steel sensor

- ◆ Range: -58° to 302°F (-50° to 150°C)
- ◆ Probe size: 1.875 in.
- ◆ Resolution: 0.1°
- ◆ Digit height: 0.75 in.
- ◆ Display size: 1.85 x 0.85 in.
- ◆ Dimensions:
  - 2.4 x 1.4 x 0.5 in. (61 x 36 x 13mm)
- ◆ Power Source: 1 "LR44" battery (included)

<b>UPC</b>	<b>NO.</b>
22140 2	DPM300PP



DPM300PP

**MINI PANEL METER WITH EXTERNAL SENSOR**

Wide range of applications.

- °F/C button
- On/Off button
- Digital display
- 3 foot cord with stainless steel sensor
- Suction cup on back

- ◆ Range: -58° to 302°F (-50° to 150°C)
- ◆ Probe size: 1.75 in.
- ◆ Cord length: 3 ft. (1m)
- ◆ Resolution: 0.1°
- ◆ Digit height: 0.5 in.
- ◆ Display size: 1.6 x 0.6 in.
- ◆ Dimensions:
  - 2.05 x 1.06 x 0.5 in. (52 x 27 x 13mm)
- ◆ Power Source: 1 "LR44" battery (included)

<b>UPC</b>	<b>NO.</b>
22100 6	MDP300PP



MDP300PP

# Panel Meters/Aquarium Thermometer

GENERAL®



DPM560BF

**FEATURES****SOLAR PANEL TEMPERATURE METER WITH BACK MOUNTING FLANGE**

Wide range of applications.

- Built-in back flange for flush mounting
- Stainless steel sensor and case
- °F/°C switch
- Digital display
- Battery back-up

**SPECIFICATIONS**

- ♦ Range: -58° to 302°F (-50° to 150°C)
- ♦ Accuracy: ±2°F (±1°C)
- ♦ Cord length: 3 ft. (1m)
- ♦ Resolution: 0.1°F
- ♦ Probe size: 1.18 in.
- ♦ Display size: 0.45 x 1.3 in.
- ♦ Digit height: 0.35 in.
- ♦ Dimensions: (ø x D): 2.55 x 1 in.
- ♦ Flange diameter: 3.4 in.
- ♦ Power Source: 1 "LR44" battery (included)

UPC                  NO.  
22035 1            DPM560BF



DPM560FF

**SOLAR PANEL TEMPERATURE METER WITH FRONT MOUNTING FLANGE**

Wide range of applications.

- Built-in front flange for recessed mounting
- Stainless steel sensor and case
- °F/°C switch
- Digital display
- Battery back-up

- ♦ Range: -58° to 302°F (-50° to 150°C)
- ♦ Accuracy: ±2°F (±1°C)
- ♦ Cord length: 3 ft. (1m)
- ♦ Resolution: 0.1°F
- ♦ Probe size: 1.18"
- ♦ Display size: 0.45 x 1.3 in.
- ♦ Digit height: 0.35 in.
- ♦ Dimensions: (ø x D): 2.55 x 1 in.
- ♦ Flange diameter: 3.4 in.
- ♦ Power Source: 1 "CR44" battery (included)

UPC                  NO.  
22030 6            DPM560FF



CE  
AQ150

**DIGITAL AQUARIUM THERMOMETER**

Ideal for use in aquarium, and aqua-culture applications.

- Displays ambient and remote temperature
- Min/Max temperature memory
- High/low temperature alarm
- Jumbo digital display
- Room and outer sensor temperature switch
- °F/°C switch
- Backlight
- Foldaway stand
- CE approved
- ♦ Ambient range: 14° to 122°F (-10° to 50°C)
- ♦ Remote range: -58° to 158°F (-50° to 70°C)
- ♦ Resolution: 0.1°
- ♦ Accuracy: ±1.8°F (±1°C)
- ♦ Sampling rate: 10 second
- ♦ Cord length: 10 ft. (3m)
- ♦ Display size: 1.88 x 0.82 in.
- ♦ Dimensions: 2.87 x 2 x 0.6 in. (73 x 51 x 15mm)
- ♦ Power Source: 1 "AAA" battery (included)

- Includes
- Suction cup
  - Velcro mounting tape

UPC                  NO.  
22150 1            AQ150

**FEATURES****SPECIFICATIONS****DIGITAL CO DETECTOR WITH AUTO ZERO**

Ideal for Home, Office, Tunnels, Mines, etc.

- Adjustable CO warning level
- LCD dual digital display
- Bright backlight
- Low battery indication
- Measures ambient temperature
- °F/°C selectable
- Auto power off
- Auto zero
- Self test
- Max hold
- CE and RoHS approved

- ♦ CO range: 0~999ppm
- ♦ Resolution: 1ppm
- ♦ Battery life is 250 hours when the backlight is off and 35 hours with the backlight on
- ♦ Power Source: 3 "AAA" batteries (included)
- Includes:
  - Operation manual
  - Wrist strap
  - Carrying pouch

**UPC NO.**  
41655 6 DCO1001



CE  
RoHS  
DCO1001

**DIGITAL CO DETECTOR WITH PROTECTIVE BOOT AND CASE**

Ideal for Home, Office, Tunnels, Mines, etc.

- Jumbo LCD display with backlight
- Pocket-sized and easy-to-use
- Fast sampling time
- Max hold and data hold
- Audible beep from 35 to 200 ppm
- Continuous beep after 200 ppm
- Auto power off - 15 min. inactive
- Protective rubber boot
- Backlight
- CE and RoHS approved

- ♦ Range: 0 to 1,000 ppm
- ♦ Resolution: 1 ppm
- ♦ Accuracy: 5% or 10 ppm
- ♦ Dimensions:  
6.3 x 2.2 x 1.6 in. (160 x 56 x 41mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes:
  - Soft case
  - Rubber boot

**UPC NO.**  
41660 0 DCO1002



DCO1002  
CE  
RoHS

**MINI DIGITAL COMBUSTIBLE GAS DETECTOR WITH BELT CLIP**

Industrial uses, HVAC/R, Plumbing, Tunnels.

- Intrinsically safe
- Bright LED indicates real-time data and system status
- Detects: Methane (CH<sub>4</sub>)
- ♦ Range: 0% ~ 100% LEL (combustible gas)
- ♦ Response time: <30 secs.
- ♦ Notification: sound, vibration alarm
- ♦ Malfunction and low voltage indications

- ♦ Operating conditions:  
-40° to 158°F (-40° to 70°C) < 90%RH
- ♦ Sensor life: 2 years
- ♦ Dimensions:  
3.9 x 2.4 x 1.6 in. (100 x 61 x 40mm)
- ♦ Weight: 4.9 oz. (139g)
- ♦ Power Source: Rechargeable lithium battery (included)
- Includes:
  - Molded hard case
  - AC adapter
  - Belt clip

**UPC NO.**  
41540 5 PNGD170



PNGD170

**PORTABLE GAS LEAK DETECTOR**

Industrial uses, HVAC/R, plumbing and plant maintenance.

- Highly sensitive wide range gas detector
- Detect methane, natural gases, coal gases, hexane, propane, ethane, Butane, pentane, isopropyl alcohol, halogenated hydrocarbons, (Methanol, Ethanol, Butanol) aether, ketone (butone, protone), Hydrogen, toluene, and other compounds, (gasoline, industrial solvent, lacquer, refrigerant, sulfur dioxide, ammonia, sulfured hydrogen, acetic acid, etc)
- Quick response
- LED and audio indication
- Gas concentration alarm
- Adjustable sensitivity
- Rechargeable
- 3-color leak indication

- ♦ Gas sensitivity: 50 ppm~100% LEL (Lower Explosive Limit)
- ♦ Startup time: <30 sec.
- ♦ Response time: <3 sec.
- ♦ Visual LED displays 10 levels for each of 3 gas ranges: Green for low levels, yellow for moderate and red for dangerous levels.
- ♦ Operating Conditions:  
-4° to 140°F, <98%RH
- ♦ Low power warning
- ♦ Dimensions:  
6.7 x 2.4 x 1.02 in. (170 x 62 x 26mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes:
  - AC Adapter Accessories A268-110 - A268-220 - T268 - Sensor

**UPC NO.**  
41537 5 NGD268



NGD268



CE  
RoHS  
NGD7201

NEW!



NGD8800



PNG2000A



NGD100

## FEATURES

### PRECISION GAS LEAK DETECTOR "GAS DOG"

Ideal for Industrial uses such as gas furnaces and plant maintenance.

- Precise detection of combustible gas leaks
- Sensitive to very low levels of methane, propane, butane and hydrogen
- Detection range:  
Methane: 120ppm - 1920ppm  
Propane: 40ppm - 640ppm
- Reliable solid state sensor
- Dual visible and audible alerts
- Auto power off
- Low battery warning
- Unique compact ergonomic design
- Variable alarm set point
- CE and RoHS approved

UPC NO.  
40720 2 NGD7201

## SPECIFICATIONS

- ♦ Operating temperature range: 23° to 113°F (-5° to 45°C)
- ♦ Warm-up time: < 60 seconds
- ♦ Response time: < 2 seconds
- ♦ Sensitivity: 40ppm
- ♦ Flexible probe length: 18 in. (465mm)
- ♦ Indicator: Acoustic intermittent beep and visual LED
- ♦ Auto power off: About 10 minutes
- ♦ Dimensions: 6.9 x 2.8 x 1.5 in. (175 x 70 x 38mm)
- ♦ Power Source: 4 "AA" batteries (included)
- Includes: • Stainless flexible probe  
• Molded hard case

### COMBUSTIBLE GAS LEAK DETECTOR

Industrial uses, HVAC/R, plumbing and plant maintenance.

- Highly sensitive wide range gas detector
- Detects methane, natural gases, coal gases, hexane, propane, ethane, Butane, pentane, isopropyl alcohol, halogenated hydrocarbon, (Methanol, Ethanol, Butanol) aether, ketone (butone, protone), Hydrogen, toluene, and other compounds, (gasoline, industrial solvent, lacquer, refrigerant, sulfur dioxide, ammonia, sulfured hydrogen, acetic acid, etc.)
- Quick response
- Audible and visual indication
- Auto fast warm-up
- Adjustable sensitivity
- Flexible probe—May be rotated
- Low battery indication
- Rechargeable battery

- ♦ Operation temperature: 32° to 125°F (0° to 52°C )
- ♦ Gas Sensitivity: Variable, as low as 5ppm (gasoline)
- ♦ Response time: Instantaneous
- ♦ Warm up time: <110 seconds in 25, 60%RH
- ♦ Continuous operation time 2hours varies with operation
- ♦ Double color LED indicate charge state
- ♦ Dimensions: 9.3 x 3.4 x 1.8 in. (235 x 86 x 46mm)
- ♦ Weight: 17.4 oz. (492g)
- ♦ Power Source: 1200mAh, "6V" Ni-MH rechargeable battery (included)
- Includes: • Combustible gas detector  
• Standard accessory  
• Charger • Carry case

UPC NO.  
40880 3 NGD8800

### COMBUSTIBLE GAS DETECTOR PEN

Ideal for contractors and homeowners to check gas leaks in plumbing and appliances.

- Easy to operate
- High Sensitivity
- Low Power Consumption
- Microprocessor controlled
- Reliable performance
- Audible and visual alarms
- Fast response and resume
- A variety of sounds for different status
- Small zero drift and large range of operating temperature

- ♦ Range: 0 to 100%LEL
- ♦ Sampling: Natural diffusion
- ♦ Operating temperature: -4° to 131°F (-20° to 55°C)
- ♦ Operating humidity: <95%RH
- ♦ Operating voltage: DC3V
- ♦ Operating current: <150mA
- ♦ Low alarm: (20±5) %LEL
- ♦ High alarm: (50±10) %LEL
- ♦ Response time: <5s • Sound: ≥65dB
- ♦ Power Source: 2 "AA" batteries (included)
- Includes: • Wrist strap • User's Manual

UPC NO.  
41501 6 PNG2000A

### NATURAL GAS DETECTOR

Ideal for checking plumbing fixtures and household use.

- Detects natural gas, compressed natural gas, methane, propane, butane, liquid natural gas (LNG), liquid petroleum gas (LPG)
- Locates leaks in pipes, valves, fittings
- Audible and visual alerts
- Lightweight and pocket sized
- Highly sensitive to combustible gas
- Red alarm lights and buzzer sounds when gas is detected

- ♦ Sensor: solid state
- ♦ Dimensions: 6.25 x 1.385 x 0.75 in. (159 x 35 x 19mm)
- ♦ Weight: 3 oz. (85g)
- ♦ Power Source: 2 "AA" batteries (included)

UPC NO.  
41600 6 NGD100



# Refrigerant Leak Detectors

## FEATURES

### HIGH-PERFORMANCE REFRIGERANT LEAK DETECTOR

HVAC/R, Industrial, Automotive uses.

- Microprocessor Controlled with advanced digital signal processing
- Multi-color visual display
- High-Low leak sensitivity selector
- Low battery indication
- Semiconductor gas sensor
- Detection of R-134a, R-404A, R-410A, R-407C, R22 Freon gas, etc.
- Sensitivity (H/M/L): R-22, 134a 6g/year 30g/year R-404A, 407C, 410A 8g/year 40g/year
- 15 in. (39cm) flexible stainless probe
- Reference source included
- Ambient concentration reset
- RoHS, CE, WEEE approved

## SPECIFICATIONS

- ◆ Alarm Method: Buzzer, Tricolor LED bar Indicator
  - ◆ Snake Tube length: 15 in. (39cm)
  - ◆ Battery Life: Approximately 40 hours normal use
  - ◆ Auto power OFF: 10 minutes
  - ◆ Warm-Up Time: Approximately 90 seconds
  - ◆ Altitude: < 6500 ft. (2000M)
  - ◆ Operating Temperature and Humidity: 32° to 104°F (0° to 40°C), < 80%RH
  - ◆ Storage Temperature and Humidity: 14° to 140°F (-10° to 60°C), < 70%RH
  - ◆ Dimensions: 6.8 x 2.6 x 2.2 in. (173 x 66 x 56mm) approximately
  - ◆ Weight: 14.1 oz. (400g)
  - ◆ Power Source: 4 "AA" batteries (included)
- Includes:
- Leak check bottle
  - Molded hard case

UPC	NO.
40141 5	RLD380L
01378 6	RS380 Replacement Sensor



RLD380L

### HIGH-PERFORMANCE REFRIGERANT LEAK DETECTOR WITH PUMP

HVAC/R, Industrial, Automotive, small leaks.

- Microprocessor Control with advanced digital signal processing
- Multi-color visual display
- High-Medium-Low leak sensitivity selector
- Low battery indication
- Semiconductor gas sensor
- Detection of R-134a, R-404A, R-410A, R-407C, R22 Freon gas, etc.
- Sensitivity (H/M/L): R-22, 134a 3g/year 15g/year 30g/year, R-404A, 407C, 410A 4g/year 20g/year 40g/year
- 15.5 in. (39.4cm) flexible stainless probe
- Reference Leak source included
- Ambient concentration reset
- Long-life, DC brushless fan
- Automatic zero and background compensation
- RoHS, CE, WEEE approved

- ◆ Alarm Method: Buzzer, Tricolor LED bar Indicator
  - ◆ Snake Tube length: 15.5 in. (39.4cm)
  - ◆ Battery Life: Approx. 7 hours normal use
  - ◆ Auto power OFF: 10 minutes (can be disabled)
  - ◆ Warm-Up Time: Approximately 45 seconds
  - ◆ Altitude: < 6500 ft. (2000M)
  - ◆ Operating Temperature & Humidity: 32° to 104°F (0° to 40°C), < 80%RH
  - ◆ Storage Temperature and Humidity: 14° to 140°F (-10° to 60°C), < 70%RH
  - ◆ Dimensions: 6.8 x 2.6 x 2.2 in. (173 x 66 x 56mm) approximately
  - ◆ Weight: 14.1 oz. (400g)
  - ◆ Power Source: 4 "AA" batteries (included)
- Includes:
- Leak check bottle
  - Molded hard case

UPC	NO.
00382 4	RLD382P
01378 6	RS380 Replacement Sensor



RLD382P



### HVAC/R REFRIGERANT LEAK DETECTORS

Industrial and Automotive uses.

- Detects ALL halogenated refrigerants
- Sensitivity adjustment dial
- High sensitivity
- Equipped with quality sensor

- ◆ Sensitivity: 6 gr/yr
  - ◆ 14 in. (35.5cm) flexible stainless probe
  - ◆ Long battery time
  - ◆ Power Source: 2 "C" batteries (included)
- Includes:
- Metal case

UPC	NO.
40139 2	RLD102
41634 1	RLD202



RLD102



RLD202

# Indoor Air Quality (IAQ)

GENERAL®



CDM77535

**FEATURES****HANDHELD DIGITAL ENVIRONMENTAL METER WITH CO<sub>2</sub>/RH/TEMPERATURE**

Building or Office Indoor Air Quality.

- Building or Office Indoor Air Quality
- Ideal for indoor air quality (IAQ) diagnosis offices, classrooms, factories, hospitals and hotels
- Non-dispersive infrared (NDIR) technology
- Measures: CO<sub>2</sub> level, air temperature, dew point, wet bulb temperature and humidity
- Triple displays of CO<sub>2</sub> level, temperature and humidity
- Stable NDIR sensor for CO<sub>2</sub> detection
- Statistics of weighted averages TWA (8 hour weighted averages)  
STEL (15 minute weighted average)
- Backlight
- Audible CO<sub>2</sub> warning alarm
- Battery or Adaptor
- Manual calibration on CO<sub>2</sub> and humidity
- RS-232 computer interface
- Min, Max, STEL, TWA
- CE and RoHS approved

**SPECIFICATIONS**

- ♦ Range: 14° to 140°F (-10° to 60°C)
  - ♦ CO<sub>2</sub> range: 0-5000ppm
  - ♦ Resolution: 1ppm
  - ♦ Accuracy: +/-30ppm+/-5%rdg
  - ♦ Pressure Dependence +1.6% reading per kPa deviation from normal pressure, 100kPa
  - ♦ Resolution: 0.1°F (0.1°C)
  - ♦ Accuracy: +/-0.9°F (0.6°C)
  - ♦ Humidity range: 0 to 99.9%
  - ♦ Resolution: 0.1%
  - ♦ Accuracy: +/-3% between 10 to 90% +/-5% other
  - ♦ Warm up: 30 seconds
  - ♦ Operating: 32° to 122°F (0° to 50°C), 0 to 95% (avoid condensation)
  - ♦ Storage: -4° to 140°F (-20° to 60°C), 0 to 99% (avoid condensation)
  - ♦ Battery Life: 24 Hours (Alkaline)
  - ♦ Power Source: 4 "AA" batteries (included)
- Includes:
- Molded hard case
  - Adaptor 9V 100-240VAC

UPC	NO.
77535 4	CDM77535
12710 0	ASFT KIT PC Interface Kit (Optional)
15060 3	HR33LJ Calibration salt MgCl 33% (Optional)
15070 2	HR75LJ Calibration salt NaCl 75% (Optional)

**HIGH ACCURACY TEMPERATURE/HUMIDITY AND IAQ MONITOR WITH OUTPUT RELAY**

IAQ monitoring and ventilation control.

- Digital wall mountable / desktop type
- Visible and audible CO<sub>2</sub> warning alarm
- NDIR (Non-Dispersive Infrared) Waveguide Technology with ABC (Automatic Background Calibration)
- Triple Display of CO<sub>2</sub> Level, Temperature and Humidity
- TWA (8 Hour Weighted Average)
- STEL (15 Minute Weighted Average)
- Alarm output for ventilation control
- PC connect via RS-232 computer interface
- CE and RoHS approved

- ♦ CO<sub>2</sub> range: 0~5000ppm
- ♦ CO<sub>2</sub> accuracy: +/-30ppm or +/-5% reading
- ♦ Temperature range: 14° to 140°F (-10° to 60°C)
- ♦ Temperature accuracy: +/-0.9°F / +/-0.6°C
- ♦ RH range: 0% to 85%
- ♦ RH accuracy: +/-3% (10 to 90%) +/-5% (others)
- ♦ Dew Point Temperature: -100° to 140°F (-73.4° to 60°C)
- ♦ Wet Bulb Temperature: 8° to 140°F (-13.3° to 60°C)
- ♦ Warm-up time: <=30 seconds
- ♦ Power Source: AC Adapter (included)

UPC	NO.
01311 3	CDM77232



CDM1060

**WALL OR DESK MOUNT DIGITAL IAQ METER**

- Portable CO<sub>2</sub> monitor
- Ensure Indoor Air Quality
- Alarm Mode
- Adjustable setting parameters
- CE and RoHS approved

- ♦ Range: 32° to 122°F (0° to 50°C)
- ♦ CO<sub>2</sub> Range: 0-3000 ppm CO<sub>2</sub>
- ♦ Accuracy: +/-50 ppm or +/-5%rdg
- ♦ Resolution: 1 ppm below 1000
- ♦ Resolution: 0.1°F (0.1°C)
- ♦ Accuracy: +/-2°F (1°C)

UPC	NO.
01277 2	CDM1060

**FEATURES****SPECIFICATIONS****ANALOG SOUND METER**

Economical sound Readings.

- Built-in 0.5 in. electret microphone
- Fast or slow response settings
- Max hold select switch
- A and C weighting selectable
- Analog output for connection to chart recorders, data loggers etc.
- Easy calibration adjustment
- Threaded insert for tripod mount
- Economy priced
- CE and RoHS approved

- ♦ Range: 54 to 126 dB in 7 ranges (manual)
  - ♦ Accuracy: ±3 db
  - ♦ Resolution: Analog continuous
  - ♦ Dimensions: 7.1 x 2.7 x 1.4 in. (180 x 69 x 36mm)
  - ♦ Weight: 5.1 oz. (145g)
  - ♦ Power Source: 1 "9V" battery (included)
- Optional:
- C4 Soft Case

**UPC            NO.**  
41007 3      ASM8926



CE  
RoHS

ASM8926

**DIGITAL SOUND METER WITH JUMBO DISPLAY**

High-performance sound measurements.

- Digital display with analog bar graph
- Auto or manual ranging
- A and C weight selectable
- Fast or slow response selectable
- Min/Max record with maximum hold
- Auto power off
- Low battery indicator
- Large digital display
- Measures crowd noise
- CE and RoHS approved

- ♦ Range: 40 to 130 dB in 10 steps
  - ♦ Accuracy: +/-2 dB
  - ♦ Resolution: 0.1 dB
  - ♦ Sensor: 10mm electret condenser microphone
  - ♦ Dimensions: 9 x 2.25 x 1.73 in. (229 x 57 x 44mm)
  - ♦ Power Source: 4 "AAA" batteries (included)
- Includes:
- Windscreen

**UPC            NO.**  
41025 7      DSM8925



CE  
RoHS

DSM8925

**DIGITAL SOUND METER**

High-performance sound measurements.

- Small size
- High performance at a low cost
- Real-time display
- Min/Max recording
- Over and under range indicator
- Low battery indicator
- Large 4 digit LCD display
- Meets IEC651, ANSI S1.4 type 2 standards
- Backlight
- A and C weighing selectable
- Fast or slow time weighing
- AC/DC output
- CE and RoHS approved

- ♦ Range: 32 to 130 dB in 3 ranges
  - ♦ Frequency range: 31.5 Hz to 8kHz
  - ♦ Accuracy: ±1.5 db
  - ♦ Resolution: 0.1 db
  - ♦ Response time: 0.5 sec.
  - ♦ Microphone: Electret condenser microphone
  - ♦ Dimensions: 9.1 x 2.1 x 1.3 in. (231 x 53 x 33mm)
  - ♦ Weight: 12 oz. (340g)
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- Windscreen
  - Calibration screwdriver

**UPC            NO.**  
41012 7      DSM325



CE  
RoHS

DSM325



DSM8922  
DSM8922 CERT

## FEATURES

**DIGITAL SOUND METER WITH BACKLIGHT AND RS-232 OUTPUT**

Noise pollution studies, OSHA compliance.

- Min/Max record with max. hold
- Fast or slow response time
- A and C weighting selectable
- Manual or automatic range
- Background noise absorber
- Jumbo LCD display with bar graph
- Meets IEC651, ANSI S1.4 type 2 standards
- Backlight
- RS-232 computer interface
- CE and RoHS approved

## SPECIFICATIONS

- ♦ Range: 30 to 130 dB
  - ♦ Frequency range: 31.5 Hz to 8 KHz
  - ♦ Accuracy:  $\pm 1.5$  db
  - ♦ Resolution: 0.1 db
  - ♦ Sensor: 0.25 in. electret condenser microphone
  - ♦ LCD size: 2.5 x 1.65 in.
  - ♦ Dimensions:  
11 x 3 x 1.5 in. (279 x 76 x 38mm)
  - ♦ Weight: 10.3 oz. (292g)
  - ♦ Power Source: 1 "9V" battery (w/ DC 9V output) (included)
- Includes:
- Molded hard case
  - Windscreen

UPC	NO.
41020 2	DSM8922
41021 9	DSM8922 CERT
12710 0	ASFT KIT PC Interface Kit (Optional)

**DIGITAL DATA LOGGING SOUND METER WITH RS-232 OUTPUT**

Noise pollution studies, OSHA compliance.

- Stores up to 32,000 records
- Clock • Data logger
- Low, med, high levels • Auto ranging
- Bar graph • Min/Max • Backlight
- CE and RoHS approved

- ♦ Range: 30 to 130 dB
  - ♦ Fast/slow weighing
  - ♦ RS-232 computer interface
  - ♦ Dimensions:  
10 x 2.5 x 1 in. (254 x 64 x 25mm)
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- Molded hard case
  - RS-232 Software and cable
  - Wind screen

UPC	NO.
41016 5	DSM3200DL



DSM3200DL

**SOUND LEVEL CALIBRATOR**

Calibration source for Sound Meters.

- Conforms to ANSI S1.40-1984 and IEC0942:2003 Class 2
- Calibration Levels of 94dB and 114dB
- Fits 1", 1/2" and 1/4" diameter microphones
- Internal Battery Test
- CE and RoHS approved

- ♦ Output Frequency: 1000Hz +/- 2%
  - ♦ Output Sound - Pressure Levels: 114dB and 94dB re uPa under reference conditions
  - ♦ Reference Conditions: 1-Temperature: 68°F (20°C); 2-Relative Humidity: 65%; 3-Atmospheric Pressure: 1013mbar
  - ♦ Temperature coefficient: +/- 0.02dB/C
  - ♦ Total Harmonic Distortion: <2%
  - ♦ Accuracy of Sound-Pressure Level: Under stated reference environment conditions +/- 0.5dB
  - ♦ Power Source: 1 "9V" battery (included)
- Includes:
- 2 microphone adapters
  - Carrying Case

UPC	NO.
41018 9	SCAL1356



SCAL1356

**FEATURES****SPECIFICATIONS****JUMBO DISPLAY WIDE RANGE DIGITAL LIGHT METER**

Ideal for Outdoor - Indoor Lighting.

- Jumbo LCD displays LUX, FC, low battery, MAX & HOLD indication
- Accurately displays light level in foot candles (FC) or LUX over a wide range
- Max hold and data hold
- Auto power off
- Easy-to-use
- Pocket sized and lightweight
- Cubic lead protection
- CE and RoHS approved

- ♦ Measuring range: ( $\pm 3\%$  rdg  $\pm 5$  dcts)  
20, 200, 2000, 20,000 FC  
200, 2000, 20000, 50000 LUX
- ♦ Accuracy:  $\pm 3\%$  rdg  $\pm 5\%$  f.s.  
 $\pm 4\%$  rdg  $\pm 10\%$  dgtas (<10000FC/LUX)
- ♦ Resolution: 10.1 LUX
- ♦ Power Source: 6 "AAA" batteries (included)
- Includes: • Sensor  
• Molded hard case

**UPC      NO.**  
42003 4    DLM1337



CE  
RoHS

DLM1337

**3 RANGE DIGITAL LIGHT METER**

Ideal for low level lighting such as parking lots.

- LUX/foot candle (FC) switch
- Data hold
- Range switch
- On/Off switch
- Low battery indicator
- Lightweight
- Easy-to-use
- Overload indication
- Zero adjustment
- CE and RoHS approved

- ♦ LUX range: 0.1 to 20000 LUX (3 ranges)
- ♦ Foot candle range: 0.01 to 2000 FC (3 ranges)
- ♦ Accuracy:  
 $\pm 3\%$  of reading ( $\pm 5\%$  at high range)
- ♦ Cord length: extends to 2'
- ♦ Dimensions:  
5.6 x 2.9 x 1.3 in. (142 x 74 x 33mm)
- ♦ Weight: 7.5 oz. (213g)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Sensor probe  
• Molded hard case

**UPC      NO.**  
42005 8    DLM2000  
42006 5    DLM2000CERT



CE  
RoHS

DLM2000

**DIGITAL LIGHT METER WITH RS-232 OUTPUT**

Ideal for Building, Hospital Surgical Lighting.

- User selectable lighting type (tungsten, fluorescent, daylight or mercury)
- RS- 232 computer interface
- Records Min/Max and Avg readings with recall
- Data hold
- Relative % light measurement
- Super large LCD display
- Auto power off
- CE and RoHS approved

- ♦ LUX range: 0 to 50000 LUX (3 ranges)
- ♦ Foot candle range: 0 to 5000 FC (3 ranges)
- ♦ Relativity: 0 to 1999%
- ♦ Sampling time: approx 0.4 sec.
- ♦ Accuracy:  $\pm(4\% + 2$  digits)
- ♦ Dimensions:  
7.1 x 3.1 x 1.5 in. (180 x 79 x 38mm)
- ♦ Weight: 11.8 oz. (335g)
- ♦ Power Source: 1 "9V" battery (not included)
- Includes: • Sensor probe  
• Sensor cover

**UPC      NO.**  
42000 3    DLM105HA  
41420 0    LSFTKIT PC Interface Kit (Optional)



CE  
RoHS

DLM105HA

# Light Meters

GENERAL®

## FEATURES

## SPECIFICATIONS

**WIDE RANGE SINGLE PIECE DIGITAL LIGHT METER**

Ideal for Outdoor - Indoor Lighting.



RoHS  
DLM204

- Single piece
- Data hold
- Max hold
- Zero adjustment
- LUX/FC
- Jumbo LCD display
- Low battery indication
- Cosine angular corrected
- CE and RoHS approved

- ♦ Measuring range:  
20, 200, 2000, 20,000 FC  
200, 2000, 20,000, 200,000 LUX
  - ♦ Sensor: Silicon diode and filter
  - ♦ Accuracy: +/-3%
  - ♦ Power Source: 1 "9V" battery (included)
  - Includes: • Case
- |         |        |
|---------|--------|
| UPC     | NO.    |
| 42001 0 | DLM204 |



RoHS  
DLM203DL

**DATA LOGGING DIGITAL LIGHT METER**

Ideal for Building - Factory Audits.

- Auto power off
- Silicon photodiode and filter
- Data hold, Min/Max/Average
- RS-232 computer interface & data logger
- Cosine angular correction
- Auto focus
- LED backlight
- Low battery indication
- Overload indication
- Single piece
- CE and RoHS approved

- ♦ 7000 record data logger
- ♦ RS-232 computer interface
- ♦ Sampling rate: 2.5 times per second
- ♦ Dimensions:  
7.3 x 2.3 x 1.5 in. (185 x 55 x 38mm)
- ♦ Weight: about 8.8 oz. (250g)
- ♦ Measuring range: 20, 200, 2,000, 20,000 FC  
200, 2,000, 20,000, 200,000 LUX
- Includes: • Software
  - RS-232 cable
  - Molded hard case
  - Manual

UPC	NO.
42004 1	DLM203DL

**DIGITAL BTU SOLAR POWER METER**

Ideal for checking thermal window efficiency.

- 4 digit LCD reading
- Wide spectral range
- Cosine corrected
- Automatic transmission measurements
- Solar energy measurement
- Select either W/m<sup>2</sup> or BTU / (ft<sup>2</sup> x h) units
- Data hold Min/Max/Avg modes
- Data Memory and Read function (99 sets)
- Auto power-off function
- CE and RoHS approved

Includes: • Tripod mounting screw  
• Case

UPC      NO.  
20926 4    DBTU1300

- ♦ Display: LCD display, 4 digit
- ♦ Measuring Range: 2000 W/m<sup>2</sup>,  
634 BTU / (ft<sup>2</sup> x h)
- ♦ Resolution: 0.1 W/m<sup>2</sup>, 0.1 BTU / (ft<sup>2</sup> x h)
- ♦ Spectral Response: 400 to 1000nm
- ♦ Angular Accuracy: Cosine corrected  
<5% for angles < 60°
- ♦ Sampling Rate: 4 times/sec.
- ♦ Photo Detector: One silicon photovoltaic detector
- ♦ Manual Data Memory Capacity: 99 sets
- ♦ Operating Temperature and Humidity:  
32° to 122°F (0° to 50°C); 0% to 80%RH
- ♦ Dimensions:  
4.3 x 2.5 x 1.3 in. (110 x 64 x 34mm)
- ♦ Weight: 5.6 oz. (158g)
- ♦ Power Source: 4 "AAA" batteries (included)



RoHS  
DBTU1300

## FEATURES

## SPECIFICATIONS

**DIGITAL UVAB METER**

This instrument is designed to measure ultraviolet light in the range from 280 to 400 nanometers (UVAB). The illumination range of the meter allows users to conduct the most precise quantitative measurements of ultraviolet radiation for radiometry and laboratory requirements, UV-curing in off-set printing, lamp UV intensity and aging, industrial process monitoring, semiconductor fabrication, sunlight UV intensity to prevent skin damage, sterilization and environmental monitoring.

- Backlit LCD with 4 Digit Dual Display
- High and Low Measurements Range in a unit mW/cm<sup>2</sup> or  $\mu$ W/cm<sup>2</sup>
- Socket for Tripod Mounting
- Automatic Measuring
- Low Battery Indicator
- Magnetic Mount
- 20 Point Memory
- Over Range Indication
- Zero Adjust
- Auto Record
- CE, RoHS, WEEE approved

Includes:

- UV Sensor probe
- User's manual
- Hard carrying case

- ◆ Spectrum range: 280 to 400nm UVAB
- ◆ Calibration point: 365nm
- ◆ Illumination range:  
Low: 1  $\mu$ W/cm<sup>2</sup> to 9999  $\mu$ W/cm<sup>2</sup>  
High: 0.01 mW/cm<sup>2</sup> to 40.00 mW/cm<sup>2</sup>
- ◆ Accuracy at 73.5°±9°F (23°±5°C):  
±4%±1 digit
- ◆ Sample time: 0.3 seconds approximately
- ◆ Memory: 20 points plus 1 for interval time
- ◆ Operation temperature: 32° to 122°F (0° to 50°C); 10 to 90%RH
- ◆ Dimensions: 5.51 x 1.93 x 1.14 in. (140 x 49 x 29mm)
- ◆ Weight: 3.2 oz. (90g) approximately
- ◆ Power Source: 1 "9V" battery (included)

UPC                  NO.  
01279 6            UV513AB



UV513AB

**DIGITAL UVC METER**

This instrument is designed to measure ultraviolet light in the range from 220 to 275 nanometers (UVC). The illumination range of the meter allows users to conduct the most precise quantitative measurements of ultraviolet radiation: radiometry and laboratory requirements, UV-curing in off-set printing, lamp UV intensity and aging, industrial process monitoring, germicidal semiconductor fabrication, sunlight UV intensity to prevent skin damage, sterilization and environmental monitoring.

- Backlit LCD with 4 Digit Dual Display
- High and Low Measurements Range in a unit mW/cm<sup>2</sup> or  $\mu$ W/cm<sup>2</sup>
- Socket for Tripod Mounting
- Automatic Measuring
- Low Battery Indicator
- Magnetic Mount
- 20 Point Memory
- Over Range Indication
- Zero Adjust
- Auto Record
- CE, RoHS, WEEE approved

Includes:

- UV Sensor probe
- User's manual
- Hard carrying case

- ◆ Spectrum range: 220 to 275nm UVC
- ◆ Calibration point: 254nm
- ◆ Illumination range:  
Low: 1  $\mu$ W/cm<sup>2</sup> to 9999  $\mu$ W/cm<sup>2</sup>  
High: 0.01 mW/cm<sup>2</sup> to 40.00 mW/cm<sup>2</sup>
- ◆ Accuracy at 73.5°±9°F (23°±5°C):  
±4% ±1 digit
- ◆ Sample time: 0.3 seconds approximately
- ◆ Memory: 20 points plus 1 for interval time
- ◆ Operation temperature: 32° to 122°F (0° to 50°C); 10 to 90%RH
- ◆ Dimensions: 5.51 x 1.93 x 1.14 in. (140 x 49 x 29mm)
- ◆ Weight: 3.2 oz. (90g) approximately
- ◆ Power Source: 1 "9V" battery (included)

UPC                  NO.  
01290 1            UV512C



UV512C

**ULTRAVIOLET RADIOMETER FOR UVC**

Ideal for sterilization, germicide applications.

- Ideal for a variety of industrial and laboratory applications
- RS-232 computer interface
- Data hold
- Min/Max readings
- Memory recall
- Measures UVC
- CE and RoHS approved

- ◆ Ranges:  
199.9  $\mu$ W/cm, 1.999, 19.99 mW/cm
- ◆ Dimensions:  
7.1 x 2.8 x 1/3 in. (180 x 72 x 32mm)
- ◆ Power Source: 1 "9V" battery (not included)

Includes:

- UV sensor probe

UPC                  NO.  
42008 9            UVC254  
41420 0            LSFT KIT PC Interface Kit (Optional)



UVC254



**CE**  
**RoHS**  
EMF1390



## FEATURES

**DIGITAL EMF TESTER**

Ideal for use around Powerlines, Appliances, and to test for Paranormal activity.

- Quickly and reliably measures electromagnetic field radiation levels around power lines, home appliances, computer monitors, video machinery and industrial devices
- Easy-to-use
- Compact and lightweight
- Large LCD display
- CE and RoHS approved

## SPECIFICATIONS

- ♦ Range: 0.1 to 199.9 mG
  - ♦ Band width: 30 Hz to 300 Hz
  - ♦ Resolution: 0.1 mG
  - ♦ Accuracy: +/-4% + 3 digits
  - ♦ Power Source: 1 "9V" battery (included)
  - Includes: • Soft case
- |            |            |
|------------|------------|
| <b>UPC</b> | <b>NO.</b> |
| 42050 8    | EMF1390    |



**CE**  
**RoHS**  
EMF1392DL

**DIGITAL EMF TESTER WITH DATA LOGGING**

For Building Surveys and Powerlines.

- Quickly and reliably measures electromagnetic field radiation levels
- Retrieve, view and store readings
- Large LCD display
- CE and RoHS approved

- ♦ Range: 0.1 to 199.9 mG
- ♦ Band width: 30 Hz to 300 Hz
- ♦ Resolution: 0.1 mG
- ♦ Accuracy: +/-4% + 3 digits
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Soft case

<b>UPC</b>	<b>NO.</b>
42051 5	EMF1392DL



**CE**  
**RoHS**  
EMF1394DL

**DIGITAL DATA LOGGING TRIPLE AXIS ELF/EMF TESTER**

Measuring Field Levels around Powerlines and Machinery.

- Test a wide range of ELF magnetic fields, independent of measurement angle
- Measure magnetic field radiation levels around power lines, appliances and industrial devices
- Measure magnetic field radiation from 30Hz to 2000Hz
- Displays micro Tesla and milli Gauss in the same tester
- Data hold
- Min/Max hold
- Data memory and Read functions
- RS232 computer interface
- CE and RoHS approved

- ♦ Triple LCD display
- ♦ Range: 20/200/2000 milla Gauss - 2/20/200 micro Tesla
- ♦ Resolution: 0.01/0.1/1 milli Gauss - 0.001/0.010/0.1 milla Tesla
- ♦ Triple axis (x,y,z)
- ♦ Bandwidth: 30Hz~2000Hz
- ♦ Over-Input Display
- ♦ Sampling Time: approx 0.5 second
- ♦ Auto Power Off: Approximately 15 minutes
- ♦ Power Source: 6 "AAA" batteries (included)
- Includes: • Software CD

<b>UPC</b>	<b>NO.</b>
42052 2	EMF1394DL

# Microwave Leakage/Water Alarm

## FEATURES

### MICROWAVE LEAKAGE DETECTOR

Ideal for checking Microwave Ovens.

- Check your microwave oven and cook with confidence
- One-handed operation
- No battery needed

## SPECIFICATIONS

- ◆ Pointer Needle indicates amount of microwave leakage
- ◆ Green Area means Safety, Red Area means Danger

UPC      NO.  
50017 0    MLD100



MLD100

### MICROWAVE LEAKAGE DETECTOR

Ideal for checking for small leaks on Microwave Ovens.

- Check your microwave oven and cook with confidence
- Detects microwave leakage
- Wand allows leak detection in small areas
- Numeric and Colored Scales
- No battery needed

- ◆ Range:  
0-2 mV/cm<sup>2</sup>  
2450 MHz

UPC      NO.  
40290 0    MLD290



MLD290

### WATER ALARM

Find Leaks from Plumbing, Appliances, Water Heaters etc.

- Detects water leaks from plumbing and appliances
- Alarm sounds when water is detected
- Helps reduce water damage
- Finds mold causing moisture
- Low battery indicator

- ◆ Dimensions:  
4.3 x 4.3 x 1 in. (109 x 109 x 25mm)
- ◆ Power Source: 1 "9V" battery (included)

UPC      NO.  
80140 8    WA500



WA500





DM8200  
DM8205  
DM8215  
DM8230

## FEATURES

### DELUXE DIGITAL MANOMETERS

Ideal for Industrial Pressure testing.

- Digital display of gauge or differential pressure
  - Select: psi, inH<sub>2</sub>O, bar, mmHg, ozin<sup>2</sup>, kgcm<sup>2</sup>, kPa, ftH<sub>2</sub>O, inHg, cmH<sub>2</sub>O & mbar
  - Bright backlight
  - Data hold and record
  - Min/Max button
  - Simple fittings for hose connection
  - RS-232 computer interface
  - CE and RoHS approved
- DM8200** - Industrial requirements such as Manifold Pressure
- DM8205** - Industrial requirements such as Balancing Valves
- DM8215** - HVAC, Industrial Gas Pressure
- DM8230** - Low Static, Negative Pressure

## SPECIFICATIONS

- ♦ **DM8200:**  
0-100 psi (to 2,768 inH<sub>2</sub>O); Res. (bar) 0.4
- ♦ **DM8205:**  
0-5 psi (to 138 inH<sub>2</sub>O); Res. (bar) 0.1
- ♦ **DM8215:**  
0-15 psi (to 415 inH<sub>2</sub>O); Res. (bar) 0.01
- ♦ **DM8230:**  
0-30 psi (to 830 inH<sub>2</sub>O); Res. (bar) 0.002
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Connection hose  
• Molded hard case

UPC	NO.
41200 8	DM8200
41210 7	DM8205
41215 2	DM8215
41217 6	DM8230
12710 0	ASFT KIT PC Interface Kit (Optional)



DM8252  
DM8252RS

### HIGH RESOLUTION DIGITAL MANOMETER

Ideal for Low Static, Negative Pressure testing.

- Digital display of gauge or differential pressure
- Select psi, inH<sub>2</sub>O, mmH<sub>2</sub>O, bar and mbar
- Bright backlight
- Data hold & record
- Min/Max button
- Simple fittings for hose connection
- **DM8252RS** includes four (4) Rubber Stoppers for Duct Smoke Detectors
- CE and RoHS approved

- ♦ Range: 0 to 2 psi (to 55 inH<sub>2</sub>O)
- ♦ Accuracy: ±0.3%
- ♦ Resolution (bar): 0.01
- ♦ Storage Temperature: -4° to 140°F
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Connection hose  
• Molded hard case

UPC	NO.
41216 9	DM8252
41220 6	DM8252RS w/4 Rubber Stoppers
12710 0	ASFT KIT PC Interface Kit (Optional)



PM9100  
PM9100HA

### HEAVY DUTY DIGITAL MANOMETER WITH RS-232 OUTPUT

Heavy Duty HVAC/R, Industrial Pressure measurements.

- Measures: mbar, psi, Kg/cm<sup>2</sup>, inch/Hg, mm/Hg, inch/H<sub>2</sub>O, meter/H<sub>2</sub>O, atmosphere
- Dual and differential input, 2000 mbar x 1 mbar
- Data hold
- Zero/relative
- Min/Max Memory
- Auto shut-off
- Low battery indicator
- RS-232 data port
- Optional Software LSFT KIT
- CE and RoHS approved

- ♦ Sensor: Piezoelectric built inside the housing
- ♦ Sampling time: Approximately 0.8 second
- ♦ Operating temperature: 32° to 122°F (0° to 50°C)
- ♦ Operating humidity: <80%
- ♦ Display: 61 x 34mm jumbo LCD display (0.6 in. digit size) with contrast adjustment
- ♦ Dimensions: 7.1 x 3.1 x 1.5 in. (180 x 78 x 38mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Hard padded carrying case  
• 2 Quick connect couplers

UPC	NO.	
41219 0	PM9100	Black w/RS-232 computer interface
41218 3	PM9100HA	White body (no output)
41420 0	LSFT KIT	PC Interface Kit (Optional)



# Manometers, Pressure, & Digital Scale

## FEATURES

### GAS PRESSURE TEST KIT

Rugged, Heavy Duty Field Use.

- Measures Natural gas (methane) or LP gas pressure across appliance manifolds
- Tests gas stoves, furnaces, dryers and other gas appliances. Can also be used for other non-corrosive gases
- Large 2 in. sensitive diaphragm gauge is calibrated in inches of water column, also shows ounces per square inch
- Magnified lens
- Easier to use than a manometer

## SPECIFICATIONS

- ◆ Range **GPK015:**  
0 to 15 inches of water column (in H<sub>2</sub>O)  
0 to 9 ounces per square inch (oz/in<sup>2</sup>)
- ◆ Range: **GPK035:**  
0 to 35 inches of water column (in. H<sub>2</sub>O)  
0 to 20 ounces per square inch (oz./in<sup>2</sup>)
- Includes: • 2 in. sensitive diaphragm gauge  
• 3 ft. of rubber tubing  
• Brass fitting for quick connection to the appliance manifold 3/8 in. NPT  
• Molded hard case

UPC	NO.
41240 4	GPK015
41230 5	GPK035



GPK015  
GPK035

## HYDROGAUGE MANOMETER

Economical Pressure measurements.

- Replaces ordinary U-tube manometers
- Measures gas pressure easily and efficiently
- Direct reading, no plus or minus readings to add together as in old fashioned U-tubes
- Fills like a glass of water, no more troublesome air bubbles
- Strong magnet for mounting
- Heavy-duty construction
- Made of industrial grade, flexible PVC plastic
- Lightweight
- Easy to use

- ◆ HG15 water column height: 15 in.
- ◆ Plastic: 30 to 36 in. of industrial grade flexible plastic
- ◆ Hose fitting: All brass
- Includes: • Mounting magnet

UPC	NO.
41225 1	HG15



HG15

## DIGITAL CHARGING SCALE

Ideal for accurate charging of refrigerant containers.

- Constructed from rigid die cast aluminum
- Heavy duty load cell, built-in overload protection
- Low battery warning with auto power off
- Reading may be zeroed out at any time
- Reliable membrane key pad switches
- Measures lb., oz. and kg.
- Extra large LCD display
- Display unit is desk or wall mountable

- ◆ Capacity: 220 lbs (100 kg)
- ◆ Accuracy: ± 1%
- ◆ Resolution: 0.5 oz. (5g)
- ◆ Operating Temperature: 32° to 115°F (0° to 45°C)
- ◆ Battery Life: (approximately 40 hrs)
- ◆ Platform Dimensions: 8-3/4 x 8-3/4 in. (22 x 22cm)
- ◆ Power Source: 1 "9V" battery (included)
- Includes: • Molded hard case

UPC	NO.
01245 1	DS300RC



DS300RC



**CE**  
**RoHS**  
VC9200

## FEATURES

### DIGITAL VACUUM METER WITH RS-232 COMPUTER INTERFACE

Heavy Duty Use for air, gas, oil etc.

- RS-232 computer interface
- Heavy duty vacuum sensor
- Use for air, oil, gas and more
- Various applications: Automobile, Industrial, Laboratory, Heating, Ventilation, Medical, Hospital
- Hold
- Record
- Min/Max Reading
- Large display
- CE and RoHS approved

## SPECIFICATIONS

- ♦ Range:  
1125 torr x 1 torr  
1500 mbar x 1 mbar
- ♦ Units:  
torr, mmHg, micron, KPa, Pa, inch Hg, psi
- ♦ Dimensions:  
7.1 x 2.8 x 1.3 in. (180 x 72 x 32mm)
- Includes: • Molded hard case

UPC	NO.
47025 1	VC9200
41420 0	LSFT KIT PC Interface Kit (Optional)



**CE**  
**RoHS**  
TQ8800

## TORQUE METER

Tightness of bolts, machinery adjustments.

- RS-232 computer interface
- 147.1 Newton-cm using remote sensor
- Peak mode
- Data hold
- Zero, Min/Max
- Selectable fast/slow sampling time
- 15 Kg-cm torque sensor included
- CE and RoHS approved

- ♦ 3 units: 15 Kg-cm/13LB-inch/147.1 N-cm
- ♦ Dimensions:  
7.1 x 2.8 x 1.3 in. (180 x 72 x 32mm)
- ♦ Power Source: 1 "9V" battery (included)

UPC	NO.
43060 6	TQ8800
41420 0	LSFT KIT PC Interface Kit (Optional)



**CE**  
**RoHS**  
VB8201HA

## VIBRATION METER

Wide Frequency range for industrial usage.

- Selectable units of in/s or mm/s for Velocity and ft/s squared or m/s squared for Acceleration
- Remote vibration sensor on 39 in. (1m) cable
- Wide frequency range of 10Hz to 1kHz
- Min/Max record values for later recall
- Data hold
- Auto power off
- RMS or peak value measurement
- CE and RoHS approved

- ♦ Velocity range: 7.87 in/s or 200 mm/s
- ♦ Acceleration range: 656 ft/s squared or 200 m/s squared
- ♦ Dimensions:  
7.1 x 2.8 x 1.3 in. (180 x 72 x 32mm)
- ♦ Weight: 0.87 lbs. (395g)
- ♦ Power Source: 1 "9V" battery (not included)
- Includes: • Remote sensor with 3.9 ft. cable
  - Instructions
  - Magnetic mount
  - Molded hard case

UPC	NO.
43052 1	VB8201HA

**FEATURES****SPECIFICATIONS****HARDNESS TESTER ASTM RATED - PEN-STYLE**

Checks hardness on most metals. True hand-held compact model.

- Quick and reliable
- Wide measuring range: direct display of converted hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB and Shore HS
- Impact device provides testing at any angle, even upside down
- 1250 readings memory with data output USB
- Min/Max/Avg
- High accuracy  $\pm 0.5\%$
- CE and RoHS approved
  
- ♦ Hardness parameter HL, HRC, HRB, HV, HB, HS
- ♦ Battery life: 16 hours continuous
- ♦ Auto Power Off: 2 Minutes non use

- ♦ Display functions: Hardness scale, hardness value, average indicator and average value, impact direction, type of impact device connected, memory reference
- ♦ Dimensions: 6.2 x 1.6) x 1 in. (158 x 41 x 26mm)
- ♦ Weight: 4.2 oz. (120g)
- ♦ Conforming to ASTM A 956
- Includes:

  - Main Unit
  - Impact Device
  - Cleaning Brush
  - Software and Cable
  - Certificate
  - Manual
  - Carrying Case

UPC                    NO.  
013045                EMHT40



CE  
RoHS  
EMHT40

**DIGITAL HARDNESS TESTER**

Checks hardness on most metals.

- Quick and reliable
- Wide measuring range in Hi value and direct display of converted hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB and Shore HS
- Impact device provides testing at any angle, even upside down
- 1250 readings memory with data output
- Date and time display
- Low-High settings • High accuracy  $\pm 0.5\%$
- CE and RoHS approved
  
- ♦ Hardness parameter HL, HRC, HRB, HV, HB, HS
- ♦ Display functions: Hardness scale, hardness value, times, average indicator and average value, impact direction, type of impact device connected, memory reference, date, time, battery power consumption

- ♦ Accuracy: Within  $\pm 0.5\%$  (or HLD=800)
- ♦ Memory: 1250 groups
- ♦ Output: RS-232 computer interface
- ♦ Dimensions: 4.25 x 2.5 x 1 in. (108 x 62 x 25mm)
- ♦ LCD Display dimensions: 5 x 2.5 in. (128 x 64mm)
- ♦ Weight: 6.4 oz. (180g) including impact device and printer
- ♦ Conforming to ASTM A 956
- ♦ Power Source: 2 "AAA" batteries (included)
- Includes:

  - Molded hard case

UPC                    NO.  
012635                UTEMHT20



CE  
RoHS  
UTEMHT20

**ULTRASONIC THICKNESS GAUGE**

Suitable for steel, aluminum, glass etc.

- Easy to operate
- Suitable for steel, stainless steel, aluminum, glass, polystyrene, polyethylene
- 4000 readings memory
- Data output to PC or printer
- High-Low Limits setting
- Sound velocity range 1000 up to 9999m/s
- 4 digit LCD display with settings
- Fast calibration on integrated standard block of 4.00mm
- Backlight display for dark environment
- CE and RoHS approved
  
- ♦ Display: 128 x 32 LCD with backlight
- ♦ Measuring range: 0.026 - 9.843 in. (0.65 - 250mm)

- ♦ Velocity rate: 1000-9999m/s (0.0393-0.3936 inch/us)
- ♦ Display resolution selectable:  
- 0.01inch -0.001inch 0.1mm - 0.01mm
- ♦ Measurement accuracy:  
0.65 - 9.99mm: +/- 0.04mm 10 -99.99mm:  
+/- (0.1%+0.04)mm 100 - 250mm: +/- 0.3%
- ♦ Output: RS-232 computer interface
- ♦ Dimensions: 2.4 x 4.3 x 1.1 in. (61 x 108 x 28mm)
- ♦ Weight: 8 oz. (230g) including batteries
- ♦ Power Source: 2 "AAA" batteries (included)
- Includes:

  - Molded hard case

UPC                    NO.  
012628                UTEGEMTT2



CE  
RoHS  
UTEGEMTT2

# INDUSTRIAL Refractometers

**GENERAL®**



All refractometers have a metal body with cushioned eyepiece, a rubber hand grip, and a calibration screen. Included with each is a calibration screwdriver, a plastic pipette and a carrying case.



MODEL	UPC	ATC	INDUSTRIAL FLUIDS	LOW CONCENTRATION JUICES	FRUIT JUICE	HIGH CONCENTRATION JUICES	LOW DENSITY SOLUTIONS	SOFT DRINKS	CANNED GOODS	LOW SUGAR SOLUTIONS	HIGH SUGAR SOLUTIONS	CONDENSED MILK	6.2" L x 1.8" D - WEIGHT 7 OZ	7.5" X 1.3" D - WEIGHT 22 OZ	RESOLUTION (%)
REF101	44420 9)	X	X									X		0.10%	
REF102	44102 2)	X				X						X		0.20%	
REF103	44103 9)	X		X		X					X			0.20%	
REF104	44104 6)	X			X			X	X	X	X			0.20%	
REF105	44105 3)	X			X					X	X	X		0.50%	
REF106	44106 0)	X	X	X	X	X	X	X	X	X	X		X	0.20%	
REF111ATC	44101 5)	X	X	X								X		0.10%	
REF112ATC	44112 1)	X		X						X		X		0.20%	
REF113ATC	44113 8)	X	X		X		X					X		0.20%	
REF114ATC	44114 5)	X	X			X		X		X	X	X		0.20%	

MODEL REF107 (UPC 04410 7)	BRIX 0-90%	X	X	X	X	X	X	X	X	X	X	X	X		
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MODEL	UPC	ATC	OILS, HIGH MV POLYMERS	SEAWATER, BRINE	SALINITY	6.2" L x 1.8" D - WEIGHT 7 OZ	7.5" X 1.3" D - WEIGHT 22 OZ	RESOLUTION (%)
REF201	44116 9)	X		X	X			0.10%
REF202	44115 2)	X		X	X			0.20%
REF211ATC	44120 6)	X		X	X	X		0.10%, 0.001SG



## FEATURES

## SPECIFICATIONS



ATC	INDUSTRIAL FLUIDS	OILS, HIGH MW POLYMERS	PROTEIN, URINE	BLOOD SERUM, PLASMA, ALBUMEN	ETHYLENE & PROPYLENE GLYCOL	BRAKE FLUID	6.2" L X 1.8" D - WEIGHT 7 OZ	7.5" X 1.3" D - WEIGHT 22 OZ	RESOLUTION (%)
		X			X		0.2g/gl, 0.005UG, 0.0005ND		
X		X X			X	X X	0-12g/dl 0.002sg, 0.00025 RI		
					X X X		10°F, 0.01 S/G		
				X	X		5°C, 0.01 S/G		
X	X					X	0.001 ND		
X									0.2%

## DIGITAL WIDE RANGE BRIX REFRACTOMETER

- ATC auto off- 3 min. idle
- Conversion °F/°C degree
- Low voltage alarm
- ♦ Range: 32° to 104°F (0° to 40°C)
- ♦ Precision: +1°C
- ♦ Measure resolution: 0.1°C
- ♦ Brix: 0 to 35%

- ♦ Resolution: 0.1
- ♦ Accuracy: +0.1
- ♦ Ref index: 1.3330 to 1.3900
- ♦ Resolution: .0001
- ♦ Accuracy: +.0003
- ♦ Dimensions: 6.3 x 1.4 in. (160 x 35mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Carrying case

UPC NO.  
44425 2 DREF45-121



DREF45-121

## DIGITAL WIDE RANGE PROTEIN/URINE REFRACTOMETER

- ATC auto off- 3 min. idle
- Conversion: °F & °C degree
- Low voltage alarm
- ♦ Urine: 1.000 to 1.050sg
- ♦ Res. 0.001, Acc. +0.001
- ♦ Protein: 0 to 12g/dl

- ♦ Resolution: 0.1, Acc. +.1
- ♦ Ref index: 1.3330 to 1.3900
- ♦ Resolution: .0001
- ♦ Accuracy: +.0003
- ♦ Dimensions: 6.3 x 1.4 in. (160 x 35mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Carrying case

UPC NO.  
44402 7 DREF/UP320



DREF/UP320

# INDUSTRIAL Tachometers

**GENERAL®**

CE  
RoHS  
PT800



CE  
RoHS  
CT801



CE  
RoHS  
DS2239



LT2234C

INDUSTRIAL

## FEATURES

### MINI PHOTO TACHOMETER

Non-Contact, ideal for high speed motors.

- Affix a reflective tape to the rotating element to measure
- Precise non-contact measurement
- Auto ranging display
- Two operate buttons for any angle
- Hold function to freeze rotating
- Auto power off (with disable)
- Low battery indicator
- CE and RoHS approved

## SPECIFICATIONS

- ♦ Range: 10 to 99,999 RPM
- ♦ Resolution: 0.001; 0.01; 0.1; 1 RPM
- ♦ Accuracy:  $\pm 0.04\% + 2$  digits
- ♦ Sampling time:  
1 sec. ( $> 60$  RPM);  $> 1$  sec. (10 to 60 RPM)
- ♦ Dimensions:  
4.8 x 2 x 1.3 in. (122 x 51 x 33mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Reflecting tape

UPC	NO.
43020 0	PT800

### MINI CONTACT TACHOMETER

Primarily used for smaller motor speeds.

- Measure rotating object by changing contact wheels
- Precise contact measurement
- Auto ranging display
- Two operate buttons for any angle
- Hold function to freeze speed
- Auto power off (with disable)
- Low battery indicator
- CE and RoHS approved

- ♦ Contact range: 10 to 99,999 RPM
- ♦ Surface speed: 3 to 30,000 ft/min
- ♦ Resolution: 0.001; 0.01; 0.1; 1 RPM
- ♦ Accuracy:  $\pm 0.04\% + 2$  digits
- ♦ Sampling: 1 sec. ( $> 60$  rpm.)
- ♦ Dimensions:  
5.9 x 2 x 1.3 in. (149.9 x 50.8 x 33mm)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Multiple wheels

UPC	NO.
43025 5	CT801

### DIGITAL STROBOSCOPE

Ideal to use for timing such as automotive or machinery calibration.

- 110V AC
- Accuracy:  $\pm 6.05\% + 1$  digits
- Xenon flash tube
- Display: 10mm Red LED
- AC power
- CE and RoHS approved

- ♦ Xenon flash tube
- ♦ Display: 10mm Red LED
- ♦ Range: 100-10,000 RPM
- ♦ Accuracy:  $+/- (0.05\% + 1d)$
- ♦ Dimensions:  
8.3 x 4.7 x 4.7 in. (210 x 120 x 120mm)
- Includes: • 1 AC cable for battery charge

UPC	NO.
40239 9	DS2239

### LASER TACHOMETER

Non-Contact, Ideal for high speed motors.

- Jumbo display
- 5 digit LCD display
- Auto ranging
- Wide measuring range
- Laser targeting
- Memory: Min/Max/Last

- ♦ Range: 2.5 - 99,999 RPM
- ♦ Resolution: 0.1 RPM (2.5 - 999 RPM)  
1 RPM (over 10,000 RPM)
- ♦ Accuracy: 0.025 + 1 digit
- ♦ Sampling time: 1 sec.
- ♦ Power Source: 3 "AAA" batteries (included)
- Includes: • Instructions  
• Molded hard case

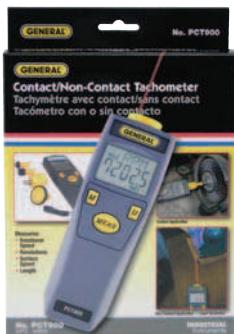
UPC	NO.
42120 8	LT2234C



**FEATURES****SPECIFICATIONS****CONTACT/NON-CONTACT TACHOMETER**

Can be used in a wide variety of RPM and surface speed measurements.

- Measurement types: Rotation speed (RPM); Total revolutions (REV); Surface speed (I/M, M/M, Y/M, F/M) and Length (M, YD, FT)
- Non-contact RPM measurements up to 100cm from target
- Laser Diode Detection
- Laser sighting
- LCD display
- Auto power off
- 40 point memory: 10 selectable MAX, 10 selectable MIN, 10 selectable AVG, and 10 selectable DATA measurements
- Ultra low power consumption in shutdown mode
- CE and RoHS approved



- ◆ Non-contact range: 6.0 – 99,999 (RPM)
- ◆ Contact range: 6.0 – 25,000 (RPM)
- ◆ Surface speed range: 0.6 – 25,000.0 (M/M), 0.7 – 2734.0 (Y/M), 23.6 – 98425 (I/M), 2.0 – 8202.1 (F/M)
- ◆ Length range: 1 – 99,999 (REV)
- ◆ Resolution: 6.0 – 9999.9 RPM : 0.1 RPM, 10,000 – 99,999 RPM : 1 RPM
- ◆ Accuracy of Resolution: 6.0 – 5999.9 RPM: +/-0.01% and +/-1 digit 5999.9 – 99,999 RPM: +/-0.05% and +/-1 digit
- ◆ Response time: 1 second
- ◆ Operating temperature: 32° – 212°F (0° – 50°C), 10 – 90%RH
- ◆ Dimensions: 5.79 x 1.93 x 1.14 in. (147 x 49 x 29mm)
- ◆ Weight: 3.4 oz. (95g) approx. without battery; Contact adapter: 1.7 oz. (50g)
- ◆ Power Source: 1 "9V" battery (not included)

- Includes:
- Cone adapter
  - Funnel adapter
  - Contact adapter
  - Master wheel (10cm)
  - Reflective tape 0.59 x 20.67 in. (15 x 525mm)
  - Molded hard case

**UPC**      **NO.**  
40900 8      PCT900



CE  
RoHS  
PCT900

**LASER PHOTO/CONTACT TACHOMETER**

Can be used in a wide variety of RPM and surface speed requirements.

- Precise contact measurement
- Auto power off (with disable)
- Jumbo display
- 5 digit LCD
- Memory Min/Max/Last
- 2.3 to 6,560 RPM
- Contact: 0.5 to 1.999 RPM

- ◆ Contact range: 10 to 99,999 RPM
- ◆ Surface speed: 3 to 30,000 ft./min.
- ◆ Resolution: 0.001; 0.01; 0.1; 1 RPM
- ◆ Accuracy: +/-0.04% + 2 digits
- ◆ Sampling: 1 sec. (>60 rpm)
- ◆ Dimensions: 5.9 x 2 x 1.3 in. (150 x 51 x 33mm)
- ◆ Power Source: 1 "9V" battery (included)

- Includes:
- Spare wheels
  - Molded hard case

**UPC**      **NO.**  
42110 9      PCT2236B



PCT2236B

**CONTACT TACHOMETER**

Primarily used for motor speeds.

- Jumbo display
- 5 digit LCD display
- Auto ranging
- Surface speed m/min
- Memory: Min/Max/Last

- ◆ Range: 0.5 - 19,999 RPM
- ◆ Resolution: 0.1 RPM (0.5 to 99,999 RPM)  
1 RPM (over 1000 RPM)
- ◆ Sample time: 0.55 sec.
- ◆ Power Source: 4 "AA" batteries (not included)

- Includes:
- Instructions
  - Molded hard case

**UPC**      **NO.**  
42115 4      CT6235B



CT6235B

# AIRFLOW INSTRUMENTS

## Anemometers

**GENERAL®**



CE  
RoHS

HWA4204HA



CE  
RoHS

DAF80MIN



CE  
RoHS

DAF80PW



CE  
RoHS

DAF80PWM

INDUSTRIAL

### FEATURES

#### DIGITAL HOTWIRE ANEMOMETER WITH RS-232 COMPUTER INTERFACE

Ideal for fans/motors/blowers, furnace velocities, paint spray booths, environmental testing.

- For lower velocity measurements
- Slim probe
- Large 1.4 in. (36mm) dual LCD display
- Heavy duty case
- Data hold
- Records Min/Max readings
- Auto power off
- RS-232 computer interface
- Telescoping probe is ideal for measuring in HVAC ducts and other small vents; extends up to 4 ft.
- CE and RoHS approved

### SPECIFICATIONS

◆ Temperature: 32° to 122°F (0° to 50°C)

◆ Airflow: 0.2 - 20 m/s

0.7 - 72 km/h

40 - 3940 ft/min

0.5 - 44.7 mile/h

0.4 - 38.8 knots

◆ Power Source:

1 "CR2032" battery (included)

4 "AA" batteries (not included)

Includes: • Molded hard case and probe

UPC NO.

40120 0 HWA4204HA

40121 7 P4204 Replacement Vane (Optional)

41420 0 LSFT KIT PC Interface Kit (Optional)

#### MINI VANE ANEMOMETER WITH TEMPERATURE

Air Circulation, Obstructions, Ducts.

- Single Hand Airflow Measurement
- Lightweight and small size
- 2 piece instrument
- Metal probe
- Digital display
- Mini Vane
- RS-232 computer interface
- CE and RoHS approved

◆ Range: 0.8 to 12 m/s

◆ 9999 count LCD

◆ m/s, ft/min, km/h, knots, mile/h, Temp

◆ Basic accuracy:

+/-2% rdg; +/-1.5°F (+/-0.8°C)

◆ Power Source: 1 "9V" battery (not included)

Includes: • Molded hard case and probe

UPC NO.

40125 5 DAF80MIN

40137 8 P80MIN Replacement probe (Optional)

41420 0 LSFT KIT PC Interface Kit (Optional)

#### HEAVY DUTY ANEMOMETER WITH TEMPERATURE

Spray Booths, Blowers, Fans.

- 2 piece instrument
- Digital display
- Plastic Vane
- Metal probe
- Heavy duty
- RS-232 computer interface
- Data hold
- Records Min/Max readings
- CE and RoHS approved

◆ Range: 0.4 to 25 m/s

◆ 9999 count LCD

◆ m/s, ft/min, km/h, knots, mile/h

◆ Temperature: 32° to 122°F; (0° to 50°C)

◆ Basic accuracy:

+/-2% rdg; +/-1.5°F (+/-0.8°C)

◆ Vane: 2.83 in. (72mm)

◆ Power Source: 1 "9V" battery (not included)

Includes: • Molded hard case and probe

UPC NO.

40130 9 DAF80PW

01253 6 P80W Replacement probe (Optional)

41420 0 LSFT KIT PC Interface Kit (Optional)

#### HIGH TEMPERATURE METAL VANE ANEMOMETER

HVAC/R Environment, Exhausts, Blowers.

- 2 Piece Digital Metal Vane Anemometer
- Metal probe
- Heavy duty
- RS232 computer interface
- Data hold
- Records Min/Max readings
- Airflow displayed in 3 modes:  
-Instant value  
-up to 20 point average  
-2/3 flow value
- CE and RoHS approved

◆ Range: 0.5 to 35 m/s; 100 to 7880 ft/min;  
1.8 to 144.0 km/h; 1.0 to 78.1 knots;  
1.1 to 89.4 mph

◆ 9999 count LCD

◆ Temperature: 32° to 175°F (0° to 80°C)

◆ Measures: m/s, ft/min, km/h, knots, mile/h,  
temperature

◆ Power Source: 1 "9V" battery (not included)

Includes: • Molded hard case and probe

UPC NO.

40135 4 DAF80PWM

40136 1 P80M Replacement vane (Optional)

41420 0 LSFT KIT PC Interface Kit (Optional)



**FEATURES****DIGITAL ONE PIECE AIRFLOW METER WITH CFM DISPLAY**

HVAC/R Environment, Exhausts, Blowers.

- Displays: CFM, FPM, MPH, KPH, MPS, temp and knots
- Single hand airflow measurement
- Handy recessed service grip
- Single and multi-point average
- RS-232 output
- Min/Max
- Data hold
- °F/°C switch
- CE and RoHS approved

**SPECIFICATIONS**

- ◆ Range: 14° to 122°F (-10° to 50°C)
  - ◆ Airflow velocity range: 0 to 99,999 CFM  
Air velocity range: 80 to 5900 FPM  
(0.4 to 30 m/s)
  - ◆ Accuracy: ±3% full scale, ±2°F (±1°C)
  - ◆ Resolution: 1 ft/min (0.01 m/sec), 0.1°
  - ◆ Dimensions: 7 x 2.5 x 1.75 in.  
(183 x 76 x 45mm); Fan: 2.8 in. (70mm)
  - ◆ Display size: 1.25 x 1.625 in.
  - ◆ Power Source: 1 "9V" battery (included)
- Includes:
- Molded hard case

UPC	NO.
40015 9	DCF8906
80906 4	DCF8906CERT
12710 0	ASFT KIT PC Interface Kit (Optional)

DCF8906  
DCF8906CERT**DIGITAL TWO PIECE AIRFLOW METER WITH RS-232 COMPUTER INTERFACE**

Measures air velocity, calculated air volume flow, air temperature.

- Instant display of CFM, FPM, CMS, MPS and temperature
- Min/Max
- Data hold
- Single point average
- Multi-point average
- RS-232 computer interface
- °F/°C switch
- CE and RoHS approved

- ◆ Range: 14° to 122°F (-10° to 50°C)
  - ◆ Airflow volume range: 0 to 9,999 CFM  
Air velocity range: 80 to 6900 FPM  
(0.4 to 35 m/s)
  - ◆ Accuracy: ±2% full scale, ±1°F (±0.6°C)
  - ◆ Resolution: 1 ft/min (0.01 m/sec), 0.1°
  - ◆ Cord length: 20.5 in. extends to 4.5 ft.
  - ◆ Dimensions: 7.1 x 2.8 x 1.5 in.  
(181 x 71 x 38mm); Fan: 2.9" (73mm)
  - ◆ Weight: 10.4 oz. (295g)
  - ◆ Power Source: 1 "9V" battery (included)
- Includes:
- 1 Remote probe
  - Molded hard case

UPC	NO.
40005 0	DCF8901
01252 9	DCF8901CERT
40006 7	P8901 Replacement Vane
12710 0	ASFT KIT PC Interface Kit (Optional)

DCF8901  
DCF8901CERT**DIGITAL ANEMOMETER WITH CFM**

HVAC/R Environment, Exhausts, Blowers.

- Instant Display for Air Velocity and Temperature
- Min/Max/Avg
- Easy Airflow Volume Calculation (CFM/cmm)
- 10 Memory Data Storage/ Recalling/ Clearing
- Data Hold/Test Function
- Low Battery Indication
- Auto Power Off
- CE and RoHS approved

- ◆ Range: -58° to 158°F (-50° to 70°C)
- ◆ Resolution: ± 0.1°
- ◆ Accuracy: ±0.9°F for 32° to 122°F  
(±0.5°C for 0° to +50°C), otherwise 1.8°F (±1°C)
- ◆ CFM range: 0 to 99,999  
FPM range: 0 to 8800
- ◆ Operating Environment:  
-14° to 158°F (-10° to 70°C)
- ◆ Storage Environment:  
-14° to 158°F (-10° to 70°C)
- ◆ Sampling Time: 1 second
- ◆ Dimensions:  
Meter: 6.9 x 3.3 x 1.4 in. (175 x 85 x 35mm)  
Vane: 6.1 x 3 x 1.4 in. (170 x 75 x 35mm)
- ◆ Weight: 10 oz. (280g)
- ◆ Power Source: 3 "AAA" batteries (included)

Includes:

UPC	NO.
40700 4	DCF700

CE  
RoHS  
DCF700

WDCFM8912  
WDCFM8912CERT

HWA2005DL



DAF2005MDL

## FEATURES

**DIGITAL AIRFLOW METER WITH CFM, BTU, TEMP, HUMIDITY, DP, FPM, MPH, KPH, MPS, KNOTS & WET BULB**

HVAC Environment, Exhausts, Blowers.

- Single hand airflow measurement
- Handy recessed service grip
- Single and multi-point average
- RS-232 computer interface
- Min/Max
- Data hold
- °F/°C switch
- CE and RoHS approved
  
- ◆ Range: -4° to 140°F (-20° to 60°C);  
+/-1°F(.6C)  
Resolution: 0.1°F (0.1°C)
- ◆ Relative Humidity: 0 to 100%:  
+/-3% 0-90%, +/-5% other ranges  
Resolution: 0.1%
- ◆ Dew Point: -90° to 158°F (-68° to 70°C)  
Resolution: 0.1°F (0.1°C)

## SPECIFICATIONS

- ◆ Wet Bulb Temperature:  
-7.6° to 158°F (-22° to 70°C)  
Resolution: 0.1°F (0.1°C)
- ◆ Air Velocity: 1 to 114 ft./S (0.3 to 35m/S)  
Accuracy: +/- 5% Resolution: 0.1
- ◆ Air Volume:  
0 to 99999cfm (0 to 99999m³/S)  
Accuracy: +/-5% Resolution: 0.1
- ◆ BTU Capacity: 0-99999BTU (KW)  
Resolution: 0.1 (0-9999), 1 (10000-99999)
- ◆ Dimensions:  
Vane: 6.6 x 3.0 x 2.7 in. (170 x 77 x 40mm)  
Meter: 6.8 x 2.7 x 1.2 in. (175 x 70 x 33mm)
- ◆ Weight: 10.4 oz. (295g)
- ◆ Power Source: 4 "AA" batteries (included)  
Includes: • Hard case

UPC	NO.
01249 9	WDCFM8912
01300 7	WDCFM8912CERT
12710 0	ASFT KIT PC Interface Kit (Optional)
01291 8	P8912 Replacement Vane (Optional)

**HOT WIRE ANEMOMETER WITH REAL-TIME DATA LOGGER**

Food Processing, Grain Storage and Drying.

- High capacity 16,000 data logger nos.
- Real-time data logger - records Year, Month, Date, Hour, Minute and Second
- Reads Air Velocity, Airflow, Temperature and "K" and "J" Type temperature
- Hot Wire Anemometer, High Precision for low air velocity measurement
- Telescopic Probe
- RS-232 computer interface
- Jumbo LCD display
- Min/Max
- Data Hold
- Zero Adjustment
- CE and RoHS approved

- ◆ Range: 0.2 to 20.0m/S CMM and CFM
- ◆ Dimensions:  
8 x 3 x 1.5 in. (203 x 76 x 38mm)
- ◆ Power Source:  
1 "CR2023" battery (included)  
4 "AA" batteries (not included)
- Includes: • Molded hard case

UPC	NO.
40119 4	HWA2005DL
01259 8	PHWA2005 Replacement probe (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)

**HIGH TEMPERATURE DATA LOGGING AIRFLOW METER**

HVAC/R Environment, Exhausts, Blowers.

- High Capacity 16,000 Data Points
- Real-time data logger - records Year, Month, Date, Hour, Minute and Second
- Measures Air Velocity, Airflow, Temperature and Type "K" and "J" Temperature
- Heavy Duty Metal Vane
- Jumbo LCD Display
- Min/Max
- Data Hold
- RS-232 computer interface
- CE and RoHS approved

- ◆ Temperature: 32° to 122°F (0° to 50°C)
- ◆ Range: .5 to 30.0m/S CMM, CFM
- ◆ 9999 count LCD
- ◆ Dimensions:  
7.9 x 2.9 x 1.4 in. (203 x 76 x 38mm)
- ◆ Power Source: 4 "AA" batteries (included)
- Includes: • Molded hard case and probe

UPC	NO.
40133 0	DAF2005MDL
01260 4	P2005DAF Replacement probe (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)

**FEATURES****SPECIFICATIONS****MINI AIRFLOW/TEMPERATURE, METER WITH WINDCHILL, COMPASS, PRESSURE & ALTITUDE**

Comfort Levels, Food Processing, Outdoors.

- Measures Windspeed, Maximum windspeed, Temperature, Windchill factor
- Digital compass
- Altitude
- Barometric air pressure
- 48-hr history of pressure and altitude
- Backlight display
- One button operation
- Weatherproof (can be submerged 6 ft.)
- Completely sealed; internal sensors
- Stainless steel back
- Auto-off after one minute (can be disabled to remain on)
- Designed in Switzerland
- CE and RoHS approved

- ◆ Temperature Range: -58° to 212°F (-50° to 100°C)  
Resolution: 0.2°F (-0.1°C)  
Accuracy: +/- 0.5°F (+/- 0.3°C)  
Measuring Cycle: Twice per second
  - ◆ Windspeed:  
Units: km/h, mph, m/s, fps, knots  
Range: 0.7 to over 94 mph  
1.1 to over 150km/h  
Resolution: 0.1 unit  
Accuracy: +/- 3% from 2.0 to 94 mph  
(3.1 to 150km/h)  
Measuring Cycle: Twice per second
  - ◆ Compass: Range: 0° to 359° off North  
Resolution: 1°  
Accuracy: +/- 4° when calibrated  
Measuring Cycle: Twice per second  
Altitude: -2,300 to 29,500 ft. (-700 to 9,000m)  
Resolution: 3 ft. (1m)  
Measuring Cycle: Once per second
  - ◆ Pressure: 8.86 to 32.50 inHg (300 to 1100 hPa)  
Resolution: 0.01 inHg, 1 hPa  
Accuracy: +/- 0.03 inHg (+/- 1 hPa)  
Measuring Cycle: Once per second
  - ◆ Dimensions:  
3.5 x 1.5 x 0.75 in. (41 x 93 x 17mm)
  - ◆ Weight: 2 oz. (50g)
  - ◆ Power Source: Replaceable Lithium battery (included and installed)
- Includes: • Lanyard

<b>UPC</b>	<b>NO.</b>
00400 5	DAF4000



CE  
RoHS

DAF4000

**MINI AIRFLOW/TEMPERATURE METER WITH WIND CHILL AND COMPASS**

Comfort Levels, Outdoors.

- Measures Windspeed, Maximum windspeed, Temperature, Windchill factor
- Digital compass
- Backlight display
- One button operation
- Weatherproof (can be submerged 6 ft.)
- Completely sealed; internal sensors
- Stainless steel back
- Auto-off after one minute (can be disabled to remain on)
- Designed in Switzerland
- CE and RoHS approved

- ◆ Temperature Range: -58° to 212°F (-50° to 100°C)  
Resolution: 0.2°F (-0.1°C)  
Accuracy: +/- 0.5°F (+/- 0.3°C)  
Measuring Cycle: Twice per second
  - ◆ Windspeed:  
Units: km/h, mph, m/s, fps, knots  
Range: 0.7 to over 94 mph  
1.1 to over 150km/h  
Resolution: 0.1 unit  
Accuracy: +/- 3% from 2.0 to 94 mph  
(3.1 to 150km/h)  
Measuring Cycle: Twice per second
  - ◆ Compass: Range: 0° to 359° off North  
Resolution: 1°  
Accuracy: +/- 4° when calibrated  
Measuring Cycle: Twice per second
  - ◆ Dimensions:  
3.5 x 1.5 x 0.75 in. (41 x 93 x 17mm)
  - ◆ Weight: 2 oz. (50g)
  - ◆ Power Source: Replaceable Lithium battery (included and installed)
- Includes: • Lanyard

<b>UPC</b>	<b>NO.</b>
50330 0	DAF3300



CE  
RoHS

DAF3300



**CE**  
**RoHS**  
DAF3010

## FEATURES

## MINI AIRFLOW/TEMPERATURE METER WITH WIND CHILL

Measures wind speed and temperature.

- Measures Windspeed, Maximum windspeed, Temperature, Windchill factor
- EL Backlight
- One button operation
- Weatherproof (can be submerged 6 feet)
- Completely sealed; internal sensors
- Stainless steel back
- Auto-off after one minute (can be disabled to remain on)
- Designed in Switzerland

## SPECIFICATIONS

- ♦ Range: -58° to 212°F (-50° to 100°C)  
Resolution: 0.2°F (-0.1°C)  
Accuracy: +/- 0.5°F (+/- 0.3°C)
- ♦ Measuring Cycle: Twice per second

- ♦ Windspeed:  
Units: km/h, mph, m/s, fps, knots  
Range: 0.7 to over 94 mph  
1.1 to over 150km/h  
Resolution: 0.1 unit  
Accuracy: +/- 3% from 2.0 to 94 mph (3.1 to 150km/h)
- ♦ Measuring Cycle: Twice per second

- ♦ Dimensions:  
3.5 x 1.5 x 0.75 in. (41 x 93 x 17mm)
- ♦ Weight: 2 oz. (50g)
- ♦ Power Source: 1 "Lithium" battery (included)
- Includes: • Lanyard

UPC      NO.  
40115 6    DAF3010



**CE**  
**RoHS**  
DAF3010A

## MINI WATER PROOF DIGITAL AIRFLOW METER WITH TEMPERATURE AND WIND CHILL

Ideal for HVAC/R contractors to measure airflow in ducts, at grill returns, etc. Also great for automotive technicians to diagnose any AC and ventilation related issues.

- Measures wind speed, temperature and wind chill
- Displays wind speed in M/H, FT/M, KNT, M/S, KMH and Beaufort
- °C/F switchable
- Protective cap ensures sensitive impeller is protected from the elements and occasional drops
- Data hold
- Max wind speed reading
- Low battery indicator
- Auto-off
- CE certified

- ♦ Air Speed Range (Resolution):  
60-3937FT/M (2)      0.5-44.7 M/H (0.1)  
0.4 - 38.8 KNT (0.1)    1.1 – 20.0 M/S (0.1)  
0.9-72.0 KMH (0.1)     1-8 Beaufort (1)

- ♦ Air Speed Accuracy: +/- 5%
- ♦ Temperature range (resolution): 32° – 122°F (0.1) or 0° - 50°C (0.1)
- ♦ Temperature accuracy: +/- 2°F (1°C)
- ♦ Battery life: 48 hours (continuous use)
- ♦ Dimensions:  
5.1 x 1.7 x 0.6 in. (130 x 43.5 x 16mm)
- ♦ Weight: 5oz. (142g) approximately

UPC      NO.  
01405 9    DAF3010A



DAF3010B

## AIRFLOW SEEKER™ DIGITAL AIRFLOW METER

Ideal for contractors, auto technicians and homeowners to measure and monitor the airflow efficiency in AC and ventilation systems and for outdoor use.

- Measures current, average, or maximum wind speed
- Wind chill indication
- LCD display with backlight for easy reading
- Selectable air speed units of ft/min, m/s, km/hr, MPH, and Knots for maximum applications
- °F/°C switchable for temperature measurement
- Battery status indication

- ♦ Operating Environment:  
Temperature: 32° to 113°F (0 to 45°C)  
Relative humidity: <80%
- ♦ Storage Environment:  
Temperature: 14° to 122°F (-10 to 50°C)  
Relative humidity : <85%
- ♦ Dimensions: 5 x 3 x 1 in. (120 x 70 x 26.5mm)
- ♦ Weight: 2.5 oz. (70g) (including battery)
- ♦ Power Source: 1 "CR2032" battery or "3V" button cell (included)
- ♦ Power Source: 1 "9V" battery (not included)

UPC      NO.  
40105 7    DAF3010B

## Outdoor Mini Anemometers

## FEATURES

## SPECIFICATIONS

**4-IN-1 ENVIRONMENTAL AIRFLOW METER**

Measures airflow, humidity, temperature and light.

- 4-in-1 professional measuring instrument: Anemometer/Hygrometer/Thermometer/Light meter
- Bone shape with lightweight and small size case
- Wristlet design provides extra protection to the instrument especially for user one hand operation
- Low-friction ball bearing mounted wheel design provides high accuracy at high and low air velocity
- Exclusive photo diode and color correction filter
- High precision thin-film capacitance humidity sensor with fast response to the humidity changes.
- Standard type "K" (NiCr-NiAl) thermocouple input
- Built-in microprocessor circuit assures accuracy
- CE and RoHS approved

- ♦ Ambient range: 32° to 122°F (0° to 50°C)
  - ♦ "K" type range: 32° to 932°F (0° to 500°C)
  - ♦ Airflow: 0.4 - 30m/S
  - ♦ Humidity: 10 - 95 r/t
  - ♦ Light: 0 - 2,000 fc, 0 - 20,000 LUX
  - ♦ Spectrum meets C.I.E. photopic
  - ♦ Display: 8mm LCD display
  - ♦ Power Source: 1 "9V" battery (not included)
- Includes:
- Safety strap
  - Optional C4 case
  - Optional: "K" type thermocouple probes (not included)

UPC	NO.
40110 1	DLAF8000
40111 8	DLAF8000C with case
25015 0	TPK500 "K" type thermometer (Optional)



CE  
RoHS

DLAF8000  
DLAF8000C

**MINI DIGITAL AIRFLOW METER**

Measures airflow in ducts, at grill returns, and helps balance systems.

- Airflow displayed in 5 measuring units (ft/min, m/s, km/h, MPH, knots)
- Min/max button with recall feature
- Data hold freezes current value
- Lightweight, easy-to-hold shape
- Low friction ball vane wheel provides high accuracy at all air velocities
- Auto power off after 10 minutes of inactivity
- CE and RoHS approved

- ♦ Ambient range: 32° to 132°F (0° to 50°C)
  - ♦ Airflow range: 80 to 5910 FPM (0.4 to 30m/S)
  - ♦ Accuracy: ±3% full scale
  - ♦ Resolution: 1 ft/min (0.1 m/sec)
  - ♦ Dimensions: 6.15 x 2.36 x 1.29 in. (156 x 60 x 33mm)
  - ♦ Weight: 5.6 oz. (159g)
  - ♦ Power Source: 1 "9V" battery (not included)
- Includes:
- Lanyard

UPC	NO.
40105 7	DAF800



CE  
RoHS

DAF800

**FLOW WATCH**

For water and air speed measurements.

- Displays instant speed
- Average (3 sec.-24 hr.) min and max speed
- Temperature
- Speed units: km, h, m/s, knots, mph, fps and cm/s
- Backlight
- Aluminum bottom plate for tripod attachment
- Waterproof
- Engineered in Switzerland
- CE and RoHS approved

- ♦ Operating temp: -4° to 158°F (-20° to 70°C)
  - ♦ Dimensions: 6.1 x 2.6 in. (155 x 65mm)
  - ♦ Power Source: 2 "AA" batteries (included)
- Includes:
- Display unit
  - Air Impeller 0.47 and 0.79 in. (12 and 20mm)
  - Water impeller 2.36 in. (60mm)
  - Aluminum telescopic rod: 3.9 ft. (1.2m) w 6.6 ft. (2m) cable
  - 3.9 in. (10cm) probe
  - 59 ft. (15m) sounding cable with water speed impeller
  - Aluminum carrying case with all accessories

UPC	NO.
01374 8	FW450



CE  
RoHS

FW450

# Fruit Hardness, Soil & Grain Moisture

GENERAL®



FHT801



FHT803



DSMM500



MMG608

**FEATURES****FRUIT HARDNESS TESTER – SMALL, SOFT FRUITS**

Know when to pick and ship your fruits.

- Target Fruits: Strawberry, cherry, grape, peach, banana, apricot, plum, melon, citrus and persimmon
- Fruit penetrometer tests ripeness of small, soft fruits
- Reads in kilograms, pounds, newtons or pascals
- Automatic shutoff and hard carrying case

**SPECIFICATIONS**

- ♦ Testing Range: 2.84 - 71.12 lbf/sq. in.
- ♦ Resolution: <10 = 0.01  
10 - 99.9 = 0.1 >100 = 1.0
- ♦ Accuracy:  $\pm(1\%H + 1.4)$  lbf/sq. in.
- ♦ Dimensions: 8 x 2-3/8 x 13/16 in.
- ♦ Tip Size: 3.5mm
- ♦ Weight: 8.1 oz. (229g)
- ♦ Power Source: 4 "AAA" batteries (not included)

Includes: Hard carrying case

UPC      NO.  
01366 3    FHT801

**FRUIT HARDNESS TESTER – LARGE, HARD FRUITS**

Know when to pick and ship your fruits.

- Target Fruits: Pear, nectarine, kiwi, avocado, apple (use 11.1 tip for apples)
- Fruit penetrometer tests ripeness of small, soft fruits
- Reads in kilograms, pounds, newtons or pascals
- Automatic shutoff and hard carrying case

- ♦ Testing Range:  
7.9mm = 2.84 - 156.50 lbf/sq. in.  
11.1mm = 5.69 - 312.91 lbf/sq. in.
- ♦ Resolution: <10 = 0.01   10 - 99.9 = 0.1  
>100 = 1.0
- ♦ Accuracy:  $\pm(1\%H + 1.4)$  lbf/sq. in.
- ♦ Dimensions: 8 x 2-3/8 x 13/16 in.
- ♦ Tip Size: 7.9 and 11.1mm
- ♦ Weight: 8.1 oz. (229g)
- ♦ Power Source: 4 "AAA" batteries (not included)

Includes: Hard carrying case

UPC      NO.  
01367 0    FHT803

**PRECISION DIGITAL SOIL MOISTURE METER WITH PROBE**

Agricultural professional use.

- Soil moisture content measurement
- Heavy duty probe
- Easy operation
- Hold, Record (Min/Max)
- IP-65 Water resistance
- Heavy duty
- CE and RoHS approved

- ♦ Range: 0 - 50% moisture content
- ♦ Probe length: 0.8 in. (20mm)
- ♦ Power Source: 4 "AAA" batteries (not included)

UPC      NO.  
01240 6    DSMM500

**GRAIN MOISTURE METER**

Ideal for use in grain storage and other industrial settings.

- Microprocessor design
- Large LCD display
- 4 digit display
- Rugged construction
- Light weight

- ♦ Range: 8 - 20% moisture content
- ♦ Range: -0° to 122°F (-10° to 80°C)
- ♦ 4 ft. wire cord
- ♦ 1 ft. probe
- ♦ Power Source: 4 "AA" batteries (included)

Includes:

- Hard case
- Instructions
- 1 steel dual probe with 3 ft. cord

UPC      NO.  
10197 1    MMG608

## Stem Thermometers

## FEATURES

## SPECIFICATIONS

## LONG-STEM ANALOG THERMOMETERS

For agricultural and gardening application.

- Ideal for agriculture
- Glass lens
- Durable stainless steel probe
- Rugged construction
- Large, easy to read display

- ◆ Range: 0° to 220°F
- ◆ 2 in. dial
- ◆ PT2008G-220: 8 in. long
- ◆ PT2020G-220: 20 in. long

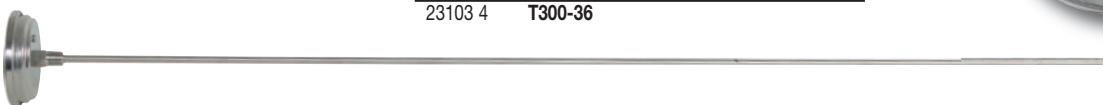
UPC	NO.
23101 2	PT2008G-220 8 in. stem
23105 0	PT2020G-220 20 in. stem



PT2008G-220  
PT2020G-220



T300-36



## SOIL MOISTURE &amp; LIGHT METER

Checks for adequate lighting and moisture.

- Easy to use
- Heavy duty probe
- Instantly indicates watering needs and light conditions
- No batteries needed

- ◆ Dimensions: 3.9 x 2.6 x 1.1 in. (100 x 65 x 28mm)
  - ◆ Weight: 3.2 oz. (90g)
- Includes: • Plant watering and light chart

UPC	NO.
10017 2	GLMM100



GLMM100



GLMM200



GLMM300

## SOIL MOISTURE METER

Checks for adequate moisture.

- Heavy duty probe
- Instantly indicates watering needs
- Plant watering chart included
- No batteries needed

- ◆ Dimensions: 10 x 2.2 x 1.1 in. (255 x 55 x 28mm)
- ◆ Weight: 1.8 oz. (50g)

UPC	NO.
10018 9	GLMM200

## SOIL PH TESTER

Checks for proper pH.

- Easy to use
- Heavy duty probe
- Instantly reads soil or compost acidity
- Plant pH chart included
- No batteries needed

- ◆ Dimensions: 10 x 2.2 x 1.1 in. (255 x 55 x 28mm)
- ◆ Weight: 1.6 oz. (45g)

UPC	NO.
10019 6	GLMM300



DPH7011

## FEATURES

**DIGITAL pH METER**

Food preparation and solution balance.

- Digital display
- Automatic temperature compensation
- IP-57 Waterproof. Unit Floats
- Pocket-sized
- Lightweight
- Min/Max; Data Hold
- CE and RoHS approved

## SPECIFICATIONS

- ♦ pH: -2 to 16
- ♦ ORP: -1000 to 1000
- ♦ Temperature: 32° to 194°F (0° to 90°C)
- ♦ Dimensions:  
7.7 x 1.6 x 1.4 in. (195 x 40 x 36mm)
- ♦ Weight: 4.8 oz. (135g)
- ♦ Power Source: 4 "AAA" batteries (included)
- Includes: • Soaking Solution  
• Buffer Solutions pH 4 & 7  
• Hard case

UPC NO.  
01235 2 DPH7011

DCM7021

**DIGITAL CONDUCTIVITY METER**

Ideal for field checks of water-based solutions.

- Digital display
- Automatic temperature compensation
- IP-57 Waterproof
- One key calibration
- Unit Floats
- Pocket-sized
- Lightweight
- Min/Max, Data Hold
- CE and RoHS approved

- ♦ Conductivity: 0 to 2000 µS
- ♦ TDS: 0 to 1300 ppm
- ♦ Salinity: 0 to 1000 ppm
- ♦ Temperature: 32° to 194°F (0° to 90°C)
- ♦ Dimensions:  
7.7 x 1.6 x 1.4 in. (195 x 40 x 36mm)
- ♦ Weight: 4.8 oz. (135g)
- ♦ Power Source: 4 "AAA" batteries (included)
- Includes: • Hard case  
• Standard Solution 1413 µS/cm

UPC NO.  
01254 3 DCM7021

WK7200

**COMPLETE WATERPROOF SELF CALIBRATING MICRO PROCESSOR KIT:  
PH, MV, TEMP, COND, TDS, SALT**

For water treatment plants, industrial pollution control, lab and field use.

- Digital display
- Automatic temperature compensation
- IP-57 Waterproof
- Single key calibration
- Meter Floats
- Pocket sized
- Lightweight
- Min/Max, Data Hold
- CE and RoHS approved

- ♦ Salinity: 0 to 1000 ppm
- ♦ Temperature: 32° to 194°F (0° to 90°C)
- ♦ Dimensions:  
7.7 x 1.6 x 1.4 in. (195 x 40 x 36mm)
- ♦ Weight: 4.8 oz. (135g) Kit: 27.5 oz. (780g)
- ♦ Power Source: 6 "AAA" batteries (included)
- Includes: • Standard Solution 1413 µS/cm  
• Soaking Solution  
• Buffer Solutions pH 4 & 7  
• Hard case  
• pH and conductivity probes

Optional: ORP probe

UPC NO.  
01248 2 WK7200  
01377 9 ORP7200CE  
RoHS  
PH501**POCKET pH METER**

Ideal for cooling towers.

- Digital display
- Pocket sized
- Automatic temperature compensation
- Lightweight
- CE and RoHS approved

- ♦ Electrode extends to 3.15"
- ♦ pH range: 0.0 to 14.0 pH
- ♦ Dimensions:  
6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
- ♦ Weight: 4 oz. (113g)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Hard carrying case  
• Calibration solution  
• Calibration screwdriver

UPC NO.  
41350 0 PH501

# Meters pH, EC, TDS, Conductivity

## FEATURES

### CONDUCTIVITY METER

Ideal for field checks of water-based solutions.

- Digital display
- Automatic temperature compensation
- Pocket-sized
- Lightweight
- CE and RoHS approved

## SPECIFICATIONS

- ◆ Electrode extends to 3.15 in.
- ◆ Conductivity range: 10 to 9,990  $\mu\text{S}/\text{cm}$
- ◆ Dimensions:  
6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
- ◆ Weight: 4 oz. (113g)
- ◆ Power Source: 1 "9V" battery (included)
- Includes:
  - Hard carrying case
  - Calibration solution
  - Calibration screwdriver

**UPC** NO.  
41400 2 CO502



CE  
RoHS  
CO502

### POCKET EC METER

Substrate analysis and nutrient concentration.

- Digital display
- Pocket-sized
- Automatic temperature compensation
- Lightweight
- CE and RoHS approved

- ◆ Electrode extends to 3.15 in.
- ◆ Range: 0.0 to 20.0 EC
- ◆ Dimensions:  
6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
- ◆ Weight: 4 oz. (113g)
- ◆ Power Source: 1 "9V" battery (included)
- Includes:
  - Hard carrying case
  - Calibration solution
  - Calibration screwdriver

**UPC** NO.  
41415 6 EC506



CE  
RoHS  
EC506

### POCKET TDS METER

Water treatment plants and industrial pollution control.

- Digital display
- Pocket-sized
- Automatic temperature compensation
- Lightweight
- CE and RoHS approved

- ◆ Electrode extends to 3.15 in.
- ◆ Range: 10 to 9990 ppm
- ◆ Dimensions:  
6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
- ◆ Weight: 4 oz. (113g)
- ◆ Power Source: 1 "9V" battery (included)
- Includes:
  - Hard carrying case
  - Calibration solution
  - Calibration screwdriver

**UPC** NO.  
41410 1 TDS503



CE  
RoHS  
TDS503

### DIGITAL INTELLIGENT pH CONDUCTIVITY METER WITH RS-232 OUTPUT

Substrate analysis and nutrient concentration.

- pH meter with mV and "plug and play" function
- Manual temperature compensation adjustable
- RS-232 computer interface
- Hold
- Memory record
- °F/°C readings
- CE and RoHS approved

- ◆ Conductivity: 0-2mS, 0 - 20mS (2 Ranges)
- ◆ Temperature: 0.1 C/0.1°F (0 to 60°C)
- ◆ ATC and variable temp compensation factor adjustable (0-5.0% per degree Celsius)
- ◆ Power Source: 1 "9V" battery (not included)

**UPC** NO.  
02001 2 DPHC2001  
41439 2 DOP2201

Dissolved Oxygen Replacement Probe  
41410 0 LSFT KIT PC Interface Kit (Optional)



CE  
RoHS  
DPHC2001

CE  
RoHS

DCT2001

## FEATURES

## PROFESSIONAL CONDUCTIVITY/TDS METER

Laboratory, beverage and water conditioning.

- Manual Temperature Compensation Adjustment
- Microprocessor Circuit
- RS-232 computer interface
- Hold
- Memory Record
- °F/°C
- Auto Shut-Off
- CE and RoHS approved

## SPECIFICATIONS

- ♦ Circuit: Custom One-chip Microprocessor LSI Circuit
- ♦ Conductivity: 0-2mS, 0-20mS (2 Ranges)
- ♦ TDS: 0 - 2000, 0 - 20,000 PPM (2 Ranges)
- ♦ Temperature: 32° to 140°F (0° to 60°C)  
0.1 Degree Resolution
- ♦ ATC & Variable Temperature Compensation Factor Adjustment
- ♦ Power Source: 1 "9V" battery (not included)

UPC	NO.
41440 8	DCT2001
41442 2	CTOP2001
41410 0	Conductivity/TDS Replacement Probe LSFT KIT PC Interface Kit (Optional)

CE  
RoHS

DCM4300

## DIGITAL CONDUCTIVITY METER

Ideal for field checks of water-based solutions.

- Data hold
- Large LCD display
- 2 ranges
- Professional housing case
- Automatic temp compensation
- CE and RoHS approved

- ♦ Conductivity: 0-2mS, 0-20mS (2 Ranges)
- ♦ Digit height: 21.5mm
- ♦ Power Source: 1 "9V" battery (not included)

UPC	NO.
41445 3	DCM4300
41442 2	CTOP2001
41446 0	Conductivity/TDS Replacement Probe CP4300
41410 0	Conductivity Replacement Probe LSFT KIT PC Interface Kit (Optional)

CE  
RoHS

DCM22CT

## DIGITAL CONDUCTIVITY/TDS METER

Ideal for lab and field use.

- RS-232 computer interface
- Data hold
- Large display
- ATC
- Record
- Min/Max readings
- CE and RoHS approved

- ♦ Conductivity: 0-2mS, 0-20mS (2 Ranges)
- ♦ TDS: 0 - 2,000, 0 - 20,000 PPM (2 Ranges)
- ♦ Temp: 32° to 140°F (0° to 60.0°C), °F/°C
- ♦ Power Source: 1 "9V" battery (not included)

UPC	NO.
41450 7	DCM22CT
41442 2	CTOP2001
41951 4	Conductivity Replacement Probe CP22CT
41410 0	Conductivity Replacement Probe LSFT KIT PC Interface Kit (Optional)

CE  
RoHS

DPH208R

## pH METER

Monitor changes in solutions.

- Wide range of applications including: pools, aquariums, labs, aqua culture, water testing and much more
- Data hold
- Min/Max with record
- Auto power off
- Low battery indicator
- RS-232 computer interface
- CE and RoHS approved

- ♦ pH range: 0 to 14.00 pH, +/-1999 mV
- ♦ pH calibration
- ♦ Dimensions:  
7.7 x 2.7 x 1.2 in. (195 x 68 x 30mm)
- ♦ Power Source: 1 "9V" battery (not included)

UPC	NO.
41430 9	DPH208R
41410 0	LSFT KIT PC Interface Kit (Optional)



# Meters pH/Replacement Probes

## FEATURES

### FIELD CALIBRATABLE 45 DEGREE READ pH INSTRUMENT

Food preparation and solution balance.

- Easy-to-read 45° angle
- Automatic calibration at the touch of a button
- Total push button operation
- Simultaneously displays pH and temp
- °F/°C temperature display
- Replaceable pH electrode
- Data hold
- Durable waterproof housing
- Auto power off; low battery indicator
- Replaceable probe
- CE and RoHS approved

## SPECIFICATIONS

- ♦ pH range: 0.00 to 14.00 pH
- ♦ Accuracy: ±0.05 pH @25°C
- ♦ Resolution: 0.01 pH
- ♦ Dimensions: 5.85 x 1.65 x 1.45 in. (149 x 42 x 37mm)
- ♦ Weight: 2.4 oz. (68g)
- ♦ Power Source: 2 "CR2023" batteries (included)

Includes:

- Soft carrying case
- | UPC     | NO.                     |
|---------|-------------------------|
| 41330 2 | DPH8690                 |
| 41335 7 | 8690P Replacement Probe |



CE  
RoHS  
DPH8690

### REPLACEMENT PROBE FOR DCM4300, DCM22CT METERS

- Automatic Temperature Compensation
- Measuring Range: 0 - 1.999mS, 0 - 19.99mS (2 Ranges)
- CE and RoHS approved

- ♦ Operating temperature: 32° to 122°F (0° to 50°C)
- ♦ Accuracy: +/- (3% full scale + 1d)
- ♦ Resolution: 0.001mS for 1.999mS range
- ♦ Resolution: 0.01mS for 19.99mS range
- ♦ Dimensions: .87 x 4.72 in. (22mm) Diameter x 4.72 in. (120mm) Length

UPC	NO.
41446 0	CP4300



CE  
RoHS  
CP4300

### CONDUCTIVITY/TDS REPLACEMENT PROBE FOR DCT2001, DCM22CT, DCM4300

- ATC and Variable temperature compensation
- Conductivity / TDS
- CE and RoHS approved

- ♦ Operating temperature: 32° to 140°F
- ♦ Conductivity: 0-2mS, 0-20mS (2 Ranges)
- ♦ Total Dissolved Solids (TDS): 2000/20000 PPM

UPC	NO.
41442 2	CTOP2001



CE  
RoHS  
CTOP2001

## ACCESSORIES

### SOFTWARE & CABLE KITS

**LSFT KIT** DOWNLOAD SOFTWARE & CABLE FOR: DCM22CT, DPHC2001, DCT2001, DCM4300; DPH208R; DLM105HA; UVC254; DAF80MIN, DAF80PW, DAF80PWM; HWA4204HA; PM9100; FG100KG, VC9200; TQ8800; VB8201HA

**ASFT KIT** DOWNLOAD SOFTWARE & CABLE FOR: PIRT9811; DT8852; DSM8922; CDM77535; DCFM8906, DCFM8901; WDCFM8912; DM8205, DM8215, DM8230, DM8200, DM8252, DM8252RS



CE  
RoHS  
WA300

## FEATURES

**WATER PURITY TESTER**

Tests water quality for drinking, industrial use and water filter effectiveness.

- Checks the purity of water (water conductivity)
- Measures the conductivity value (ranging from 0 - 2000 µS)
- Pocket size, separate probe
- Easy to carry and operate
- CE and RoHS approved
- ◆ Display: 0.7 in. (13mm) LCD, 3-1/2 in. D
- ◆ Measurement: 0 to 1999 µS (micro Simens)
- ◆ Resolution: 1µS
- ◆ Accuracy: ± (4% + 3d), (23± 5°C)
- ◆ Temperature Compensation: 32° to 122°F (0° to 50°C)

## SPECIFICATIONS

- ◆ Operating Humidity: Max. 80%RH
  - ◆ Power Consumption: Approx. DC 5mA
  - ◆ Weight: Approx. 7.8 oz. (220g) (including battery and probe)
  - ◆ Dimensions: Main instrument: 5.2 x 2.8 x 1.0 in. (131 x 70 x 25mm)  
Sensor probe: Round, 22mm Diameter, 120mm length
  - ◆ Power Source: 1 "9V" battery (not included)
- Includes: • Sensor probe

UPC	NO.
41470 5	WA300



CE  
RoHS  
PWM301

**WATER PURITY METER**

Tests water quality for drinking, industrial use and water filter effectiveness.

- Water conditioning, aquarium, food processing, photography, school, laboratory, industrial and quality control
- Checks the condition of water filter
- Measurement: 0-1999µS
- Easy Operation
- Hold, Record (Min/Max)
- IP-65 Water resistance
- Heavy-duty
- CE and RoHS approved

- ◆ Power Source: 4 "AAA" batteries (not included)

UPC	NO.
01243 7	PWM301



CPH12101

**ANALOG SPA AND POOL pH/CHLORINE TESTER**

Checks chlorine and pH levels for pool and spa.

- Chlorine – pH Tester
- Tests your pool or spa water
- No adjustment is required for pH

- ◆ Dimensions: 7.1 x 4.5 x 1.3 in. (180 x 115 x 32mm)
- ◆ Weight: 6 oz. (170g)
- ◆ Power Source: 1 "AA" battery (not included)

UPC	NO.
12101 4	CPH12101



**FEATURES****SPECIFICATIONS****ANALOG BAROMETER**

Checks barometric pressure and forecast.

- Measures barometric pressure
- Brass housing
- Classic design
- Weather forecast

- ♦ Range: 27.5 to 31.5 HG (940 to 1060 mbar)
- ♦ Dimensions: 3 in. dial diameter
- ♦ Weight: 10 oz. (283g)

**UPC NO.**  
61205 7 ABAR300



ABAR300

**ANALOG BAROMETER THERMO-HYGROMETER**

Checks temperature, humidity and barometric pressure.

- 3-in-1 analog weather monitor
- Brass construction
- Attractive design
- 6 in. dial
- Displays: Temperature, Humidity, Dew point, Wet bulb

- ♦ Range: -20° to 120°F
- ♦ Humidity range: 0% to 100%RH
- ♦ Barometric range: 27.5 to 31.5 HG

**UPC NO.**  
61210 1 ABARTH



ABARTH

**DIGITAL POCKET WEATHERMAN**

Checks temperature, humidity and barometric pressure.

- Displays barometric pressure, dew point, temperature and humidity
- Easy field set-up
- New ergonomic design
- Min/Max memory with reset feature
- Fast 2 second response time
- Large digital display
- °F/°C readings
- Data hold
- Auto power off
- Low battery indicator
- CE and RoHS approved

- ♦ Range: -4° to 122°F (-20° to 50°C)
  - ♦ Pressure range: 8.86 to 32.48 in/Hg (300 to 1100 hPa)
  - ♦ Dew point range: 32° to 140°F (0° to 60°C)
  - ♦ Humidity range: 0 to 100%RH
  - ♦ Pressure and Dew point accuracy: ±3%
  - ♦ Humidity accuracy: ±5%
  - ♦ Temperature accuracy: ±1.8°F
  - ♦ Dimensions: 6.88 x 1.57 x 0.91 in. (175 x 40 x 23mm)
  - ♦ Power Source: 1 "CR2032" battery (included)
- Includes:
- Pocket clip on back

**UPC NO.**  
10115 5 SAM700BAR



SAM700BAR

# WEATHER Barometers

**GENERAL®**

WEATHER



CE

DBAR880



CE  
DBAR110



CE  
RGR122

## FEATURES

### DIGITAL WEATHER FORECASTER

Checks indoor and outdoor temperature, humidity and barometric pressure.

- Displays Indoor and Outdoor Temperature
- Barometer Display and 12 Hour History
- Min/Max Temperature & Humidity Display
- Temperature Trend Indicator
- Moon Cycle with Tide Indicator
- Alarm Clock with Snooze, Day and Date
- Full Calendar
- Hi Precision Barometric Weather Forecast
- Forecast: Sunny, Partial Sunny, Cloudy, Rainy, Stormy
- 3-Channel Wireless Thermometer
- Indoor Humidity
- Backlight Display
- °F/°C, 12/24 Selectable
- CE approved

## SPECIFICATIONS

- ♦ Range:  
Indoor: 32° to 122°F (0° to 50°C)  
Outdoor: -4° to 140°F (-20° to 60°C)
- ♦ Power Source:  
Base Unit: 2 "AA" batteries (included)  
Remote Unit: 2 "AA" batteries (included)

UPC	NO.
60018 4	DBAR880

### DIGITAL BAROMETER WITH BAROMETRIC TREND

Ideal for most weather applications.

- Digital barometer with Real-time Pressure Readout
- Past 12 hours Pressure History
- Hi Precision Barometric Weather Forecast
- Resolution: Sunny, Partial Sunny, Cloudy, Rainy, Stormy
- 3-Channel Wireless Thermometer
- Temperature Trend Indicator: Up, Steady, Down
- Indoor Humidity
- 12/24 hour selectable clock
- Radio-Controlled Clock
- Min/Max Memory for Temp, Humidity
- °F/°C switch
- Snooze alarm
- Full Calendar Display
- Bright Green Backlight
- CE approved

- ♦ RF Frequency : 434MHz
- ♦ Dimensions:  
6.1 x 2.8 x 1.2 in. (155 x 70 x 30 mm)
- ♦ Power Source: 2 "AA" batteries (included)

UPC	NO.
60019 1	DBAR110



### WIRELESS RAIN GAUGE WITH TEMPERATURE DISPLAY

Records and displays rain amount.

- Self-emptying cable free rain collector
- Indoor thermometer
- Long range capability allows the canister to be placed up to 300 feet from the main unit
- Calendar alarm clock
- Provides cumulative and daily precipitation totals for up to nine days
- Total rainfall display with registered date
- Rainfall alarm
- Rainfall display in inches or millimeters
- °F/°C switch
- Min/Max temperature
- 12 or 24 hour clock format
- 4-line LCD display
- Wall or table mount features
- CE approved

- ♦ Daily Rainfall Range:  
0 to 99.99 in. (0 to 2540mm)
  - ♦ Total Rainfall Range:  
0 to 999.99 in. (0 to 25400mm)
  - ♦ Temperature Range:  
-58° to 158°F (-50° to 50°C)
  - ♦ Dimensions:  
Main Unit: 5.25 x 3.5 x 1.5 in.  
Sensor: 6 x 4.05 in.
  - ♦ Power Source: 4 "AA" batteries (not included)
- Includes:
- Main display unit
  - Wireless rain collection bucket

UPC	NO.
60350 5	RGR122



## FEATURES

## SPECIFICATIONS

**WIRELESS RAIN GAUGE WITH TEMPERATURE DISPLAY,  
REMOTE RAIN BUCKET AND TEMPERATURE SENSOR**

Provides rain history and temperature.

- Daily rainfall and past 9 day history
  - Cable free rain collection canister is self-emptying
  - Total rainfall is displayed with registered date
  - Rainfall display in inches or millimeters
  - Long range capability allows the collector to be placed up to 300 feet from the main unit
  - Rainfall alarm
  - Daily alarm
  - Indoor temperature display with °F/°C switch
  - Min/Max temperatures
  - 12 or 24 hour clock with calendar
  - Displays data on an attractive, easy-view LCD console
  - Table or wall mountable
  - CE and RoHS approved
- ◆ Total rainfall range:  
0 to 999.99 in. (0 to 25,400mm)
- ◆ Daily rainfall range:  
0 to 99.99 in. (0 to 2,540mm)

- ◆ Rainfall resolution: 0.04 in. (1mm)
- ◆ Range: 23° to 122°F (-5° to 50°C)
- ◆ Temperature resolution: 0.1°F (0.1°C)
- ◆ Transmission frequency: 433 MHz
- ◆ Transmission range: 300 ft. (100m)
- ◆ Temperature sensing cycle:  
around 30 seconds
- ◆ Dimensions:  
Display: 5.25 x 3.5 x 1.5 in.  
Remote sensor: (H x Ø): 6 x 4 in.
- ◆ Power Source:  
Main unit: 2 "AA" batteries (not included)  
Remote sensor: 2 "AA" batteries  
(not included)
- Includes:
  - Main display unit
  - Wireless rain collection bucket with mounting materials
  - Remote sensor with mounting materials

UPC NO.  
60340 6 RGR126



CE  
RoHS  
RGR126

**WIRELESS RAIN GAUGE WITH THERMOMETER AND CLOCK**

Ideal for weather monitoring rainfall, indoor/outdoor temperatures, ice warning and more.

- Wireless transmission of the temperature from the remote temperature sensor to the main unit up to 100 feet (30 meters) away
- Rainfall may be displayed in inches or mm
- Programmable Rain Alarm
- 7 days of rain collection history
- Built-in rain gauge installation level
- Indoor and remote temperature display
- MIN/MAX memory for indoor/outdoor temperature
- Hourly, daily and weekly rainfall history
- Monitors temperature in up to 3 remote locations
- Quartz clock with calendar
- Programmable Time Zones
- Day of the week in English, German, French, Spanish or Italian
- Dual crescendo alarm with snooze
- Programmable Ice Warning Alarm
- Wall mount or desktop option
- Low battery indicator • LED backlight
- CE and RoHS approved



Includes:
 

- Main display unit
- Wireless rain collection bucket with mounting materials
- Remote temperature sensor

- ◆ **MAIN UNIT**
- ◆ **TIME:**  
12/24 hour display in hh:mm format  
Date format: month-day or day-month format  
Day of the week is selectable in five languages: English, Spanish, French, German, Italian  
Time zone manual adjustment  
Dual two-minute crescendo alarms with 8 minutes snooze  
Programmable ice warning alarm (Channel 1)



- ◆ **WEATHER**  
Rainfall:  
Operating range:  
0 to 78.74 in. (0 to 1999.9mm)  
Rainfall resolution: 0.04 in. (1mm)  
Indoor Temperature:  
Operating range:  
23.0° to 122.0°F (-5.0° to 50.0°C)  
Temperature resolution: 0.2°F (0.1°C)  
Selectable °F or °C temperature display  
LED backlight  
Low battery indicator  
Wall Mount or Desktop option

- ◆ **REMOTE RAIN GAUGE**  
Remote Rainfall Data  
Operating range:  
23.0° to 122.0°F (-5.0° to 50.0°C)  
RF transmission frequency: 433 MHz  
RF transmission range:  
maximum 100 ft. (30m)  
Rainfall transmission cycle:  
approximately 183 seconds

**REMOTE TEMPERATURE SENSOR**

Remote Temperature  
Operating range with alkaline batteries:  
-4.0° to 158°F (-20.0° to 70.0°C)  
Operating range with lithium batteries:  
-38.0° to 158°F (-38.8° to 70.0°C)  
Temperature resolution: 0.2°F (0.1°C)  
Low battery indicator  
RF transmission frequency: 433 MHz  
Maximum number of remote sensors:  
3 (1 included)  
RF transmission range:  
maximum 100 ft. (3m)  
Temperature transmission cycle:  
approximately 45 seconds

- ◆ Power Source:  
Main unit: 2 "AA" batteries (not included)  
Remote sensor: 2 "AA" batteries  
(not included)  
Remote rain gauge: 2 "AA" batteries  
(not included)
- ◆ Dimensions:  
Main unit: 2.75 x 5.43 x 1.02 in.  
Remote sensor: 2.37 x 4 x 1 in.  
Remote rain gauge: 6.49 x 6.89 x 4.72 in.

UPC NO.  
01273 4 RGR150



CE  
RoHS  
RGR150

## FEATURES

## SPECIFICATIONS

## WIRELESS DATA LOGGING WEATHER STATION

Wireless transmission of outdoor temperature, humidity, quantity of rainfall, wind velocity and direction from the exterior sensors to the display station (433 MHz). Long-distance range up to (100m) free field.



WS831DL

- Wireless transmission of outdoor temperature, humidity, quantity of rainfall, wind velocity and direction from the exterior sensors to the display station (433 MHz), long-distance range up to 325 ft. (100m) free field
- Expandable up to 5 outdoor temperature/humidity transmitters, also for the climate control of remote rooms, e.g. children's room, wine-cellar, greenhouse
- Indoor temperature and humidity with comfort level indicator of indoor climate
- Weather forecast with symbols and tendency of atmospheric pressure
- Absolute and relative atmospheric pressure with 24 hours history
- Bar graph indication of atmospheric pressure, temperature or humidity for the last 24 hours
- Radio controlled clock with different alarms and snooze functions
- Display of date and weekday (6 languages)
- Time of rising and setting of sun and moon
- Indication of moon phase
- Wind chill factor and dew point
- Programmable alarm functions for weather conditions, like temperature alarm, storm warning
- Maximum and minimum values
- LED Back-light with light sensor (in continuous operation with power adapter)
- For wall mounting or table standing
- Data logging software (Weather View PC) and cable included
- CE and RoHS approved

- ◆ Radio Frequency: 433 MHz
- ◆ RF Reception range: 100-328 ft. (30 -100m)
- ◆ Barometric Pressure:
  - Measuring Range: 14.75 inHg to 32.44 inHg (500 Hpa to 1100Hpa); (374.5 mmHg to 823.8 mmHg)
  - Resolution: 0.003 inHg (0.1 Hpa, 0.08 mmHg)
  - Accuracy: 0.015 inHg (5 Hpa; 0.38 mmHg)
- Sampling interval: 20 minutes
- Sea level Altitude Compensation Range: -657 ft. to 16404 ft. (-200m to +5000m)
- ◆ Temperature: (Main unit)
  - Range: 14.2° to 140°F (-9.9° to 60°C)
  - Resolution: 0.2°F (0.1°C)
  - Accuracy: 2°F (1°C)
  - Sampling Interval: 10 seconds
- ◆ Temperature: (Remote unit)
  - Range: -40° to 176°F (-40° to 80°C)
  - Resolution: 0.2°F (0.1°C)
  - Accuracy: 2°F (1°C)
  - Transmitting Interval: around 47 seconds
- ◆ Humidity: (Main unit)
  - Range: 30% to 80%
  - Resolution: 1% Accuracy: 5%
  - Sampling Interval: 10 seconds
- ◆ Humidity: (Remote unit)
  - Range: 30% to 80%
  - Resolution: 1% Accuracy: 5%
  - Sampling Interval: 10 seconds
  - Transmitting Interval: around 47 seconds
- ◆ Wind Direction:
  - Range: 0° to 360°
  - Resolution: 22.5°
  - Accuracy: 11.25°
  - Starting Threshold: 3mph (4.8 Km/h)
  - Transmitting Interval: 33 seconds
- ◆ Wind Speed:
  - Range: 0 to 199.9mph (199.9 Km/h, 173.7 Knots, 89.3 m/s)
  - Resolution: 0.1mph (0.16 Km/h)
  - Accuracy: (2mph + 5%)
  - Starting Threshold: 3mph (4.8 Km/h)
  - Wind/Gust Speed Display Update Interval: 33 seconds
  - Wind/Gust Sampling Interval: 11 seconds

- ◆ Rainfall:
  - 1h/24h/yesterday range: 0 to 78.73 in. (0 to 1999.9mm)
  - Last week/last month range: 0 to 787.3 in. (0 to 19999mm)
  - Resolution: 0.03 in. (0.6578mm)
  - Accuracy: ±5% ±0.03 in. (±5% ±0.6875mm)
  - Transmitting Interval: 183 seconds

- ◆ Hardware Requirement for WeatherView:
  - PC Software Operating System: Windows 98/NT/2000/ME or XP
  - Memory size: Ram 128 MB or more
  - Hard disk size: 100 MB free space or more
  - Media Device: 1 x CD-Rom drive
  - Available serial USB port
- ◆ Power Source: Total of 10 "AA" batteries (not included)

**MAIN UNIT:**

- 4 "AA" batteries;
- 7.5V AC/DC power adaptor (200mA; center pin positive)

**REMOTE THERMO-HYGROMETER:**

- 2 "AA" batteries each

**REMOTE ANEMOMETER:**

- 2 "AA" batteries

**REMOTE RAIN GAUGE:**

- 2 "AA" batteries

- ◆ Weight: (without batteries)
  - Main unit: 8.15 oz. (231g)
  - Remote Thermo-Hygrometer: 2.29 oz. (65g)
  - Remote Anemometer: 11.12 oz. (315g)
  - Remote Rain Gauge: 10.24 oz. (290g)

**Dimensions:**

- Main unit: 7.31 x 5.39 x 1.26 in. (185.8 x 136.9 x 32mm)

**Remote Thermo-Hygrometer:**

- 2.37 x 4 x 1 in. (60 x 101 x 25mm)

**Remote Anemometer:**

- 19.16 x 19.16 x 15.35 in.  
(486.6 x 486.6 x 390mm)

**Remote Rain Gauge:**

- 6.49 x 6.89 x 4.72 in.  
(165 x 175 x 119mm)

- Includes:**
- Main display unit
  - Remote Thermo-Hygrometer
  - Remote Anemometer
  - Remote Rain Gauge
  - Data Logging Software (Weather View PC)
  - Cable

UPC NO.  
01298 7 WS831DL



**FEATURES****SPECIFICATIONS****PROFESSIONAL WIRELESS WEATHER STATION**

Wireless monitoring of weather condition: indoor/outdoor temperature, humidity, rainfall, wind speed, barometric pressure and many more.

- Wireless transmission of outdoor temperature, humidity, quantity of rainfall, wind velocity and direction from the exterior sensors to the display station (433 MHz), long-distance range up to 325 ft. (100m) free field
- Expandable up to 5 outdoor temperature/humidity transmitters, also for the climate control of remote rooms, e.g. children's room, wine-cellars, greenhouse
- Indoor temperature and humidity with comfort level indicator of indoor climate
- Weather forecast with symbols and tendency of atmospheric pressure
- Absolute and relative atmospheric pressure with 24 hours history
- Bar graph indication of atmospheric pressure, temperature or humidity for the last 24 hours
- Radio controlled clock with different alarms and snooze functions
- Display of date and weekday (6 languages)
- Time of rising and setting of sun and moon
- Indication of moon phase
- Wind chill factor and dew point
- Programmable alarm functions for weather conditions, like temperature alarm, storm warning
- Maximum and minimum values
- LED Backlight with light sensor (in continuous operation with power adapter)
- For wall mounting or table standing
- CE and RoHS approved

Includes:

- Display Station
- Power Adapter 7.5V AC/DC
- Thermo-Hygrometer Sensor
- Wind Sensor with mounting materials
- Rain Sensor with mounting materials

UPC  
08210 2



- ◆ Radio Frequency: 433 MHz  
RF Reception range:  
100 - 328 ft. (30 -100m)
- ◆ Barometric Pressure:  
Measuring Range: 14.75 inHg to 32.44 inHg (500 Hpa to 1100Hpa);  
(374.5 mmHg to 823.8 mmHg)  
Resolution: 0.003 inHg  
(0.1 Hpa, 0.08 mmHg)  
Accuracy: 0.015 inHg  
(5 Hpa; 0.38 mmHg)  
Sampling interval: 20 minutes  
Altitude Compensation Range:  
-657 to 16404 ft. (-200m to 5000m)
- ◆ Temperature: (Main unit)  
Operating Range:  
14.2° to 140°F (-9.9° to 60°C)  
Resolution: 0.2°F (0.1°C)  
Accuracy: 2°F (1°C)  
Sampling Interval: 10 seconds
- ◆ Temperature: (Remote unit)  
Range: -40° to 176°F (-40° to 80°C)  
Resolution: 0.2°F (0.1°C)  
Accuracy: 2°F (1°C)  
Transmitting Interval: around 47 seconds
- ◆ Humidity: (Main unit)  
Operating Range: 0% to 99%  
Resolution: 1%  
Accuracy: 5%  
Sampling Interval: 10 seconds
- ◆ Humidity: (Remote unit)  
Operating Range: 0% to 99%  
Resolution: 1%  
Accuracy: 5%  
Sampling Interval: 10 seconds  
Transmitting Interval: around 47 seconds
- ◆ Wind Direction:  
Range: 0° to 360°  
Resolution: 22.5°  
Accuracy: 11.25°  
Starting Threshold: 3mph (4.8 Km/h)  
Transmitting interval: 33 seconds



WS821

- ◆ Wind Speed:  
Range: 0 to 199.9 mph (199.9 Km/h,  
173.7 Knots, 89.3 m/s)  
Resolution: 0.1 mph (0.16 Km/h)  
Accuracy: (2 mph + 5%)  
Starting Threshold: 3 mph (4.8 Km/h)  
Wind/Gust Speed Display Update Interval:  
33 seconds  
Wind/Gust Sampling Interval: 11 seconds
- ◆ Rainfall:  
1h/24h/yesterday range:  
0 to 78.73" (0 to 1999.9mm)  
Last week/ last month range:  
0 to 787.3" (0 to 19999mm)  
Resolution: 0.03" (0.6578mm)  
Accuracy: ±5% ±0.03"  
(±5% ±0.6875mm)  
Transmitting Interval: 183 seconds
- ◆ Power Source: Total of 10 "AA" batteries  
(not included)
  - MAIN UNIT:** 4 "AA" batteries;  
7.5V AC/DC power adaptor  
(200mA; center pin positive)
  - REMOTE THERMO-HYGROMETER:**  
2 "AA" batteries
  - REMOTE ANEMOMETER:** 2 "AA" batteries
  - REMOTE RAIN GAUGE:** 2 "AA" batteries
- ◆ Weight (without batteries)  
Main unit: 8.15 oz. (231g)  
Remote Thermo-Hygrometer: 2.29 oz. (65g)  
Remote Anemometer: 11.12 oz. (315g)  
Remote Rain gauge: 10.24 oz. (290g)
- ◆ Dimensions:  
Main unit:  
7.31 x 5.39 x 1.26 in. (185.8 x 136.9 x 32mm)  
Remote Thermo - Hygrometer:  
2.37 x 4 x 1 in. (60 x 101 x 25mm)  
Remote Anemometer: 19.16 x 19.16 x  
15.35 in. (486.6 x 486.6 x 390mm)  
Remote Rain gauge:  
6.49 x 6.89 x 4.72 in. (165 x 175 x 119mm)





WR103

## FEATURES

**DIGITAL NOAA WEATHER RADIO**

Check latest weather forecast.

- Monitors U.S. emergency all hazards and EAS weather bulletins, warnings and forecasts
- Broadcasts tornado and storm alerts, forecasts and warnings
- Can also be programmed to broadcast information pertinent to your local area only or other areas you're interested in (up to six specific areas of your choice)
- Water resistant construction
- 12 hr. or 24 hr. clock with calendar display
- Daily alarm: 2 one minute duration alarms
- 8 minute snooze function

## SPECIFICATIONS

- ♦ Volume: 7 adjustable levels SAME code setting
- ♦ 6 independent settings or all counties options N.O.A.A. channels
- ♦ Digital PLL tuning seeks all 7 N.O.A.A. weather channels receiving signals at 162.400 to 162.550 MHz
- ♦ Accuracy: ( $\pm 0.5$ ) seconds/day
- ♦ Dimensions: 2.75 x 1.25 x 5.25 in. (70 x 32 x 133mm)
- ♦ Power Source: 3 "AA" batteries (included)

UPC	NO.
60500 4	WR103



LD50

**DELUXE LIGHTNING DETECTOR**

Early storm warning and storm direction.

- Detects storms within 40 miles
- Senses if the storm is moving towards, away, or parallel to your location
- Identifies severe thunderstorms as well as storms that can produce dangerous winds, heavy rains or tornadoes
- Starts detecting thunderstorms up to 70 miles away, registers activity at 40 miles
- Used by Little League teams, golf courses, and recreational districts
- Hand-held or table mountable
- Optional wall mount accessory

- ♦ Ranges: 0-3 mi; 3-8 mi; 8-20 mi; 20-40 mi
- ♦ Dimensions: 6.5 x 3.1 x 1.5 in. (165 x 79 x 38mm)
- ♦ Weight: 10.8 oz. (306g) (w/o batteries)
- ♦ Power Source: 2 "9V" batteries (included)

Includes: • Rugged, weather-resistant plastic case

UPC	NO.
60600 1	LD50
60615 5	LD50MB Wall mount accessory (Optional)



LD7

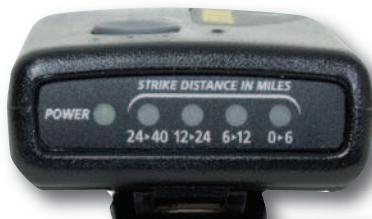
**LIGHTNING SEEKER™ PERSONAL LIGHTNING DETECTOR**

Ideal for Early Storm Warnings and Storm Directions and protection for any outdoor activity.

- Pocket size lightning detector that can be clipped on your belt or hung from your belt loop
- Gives you early warning of pending storms and lightning at various distances from 0 – 40 miles away
- Multiple alarm signals include an audible alarm, a vibration alarm and sequentially illuminating LED's at various distance intervals: 24 – 40 miles, 12 – 24 miles, 6 – 12 miles and 0 – 6 miles
- Will inform you if the danger is approaching, stationary or departing
- FCC, CE, RoHS, WEEE approved

- ♦ Ranges: within 6 miles; 6 to 12 miles; 12 to 24 miles; 24 to 40 miles
- ♦ Dimensions: 3.31 x 2.17 x 0.96 in. (84 x 55 x 24mm)
- ♦ Weight: 2.6 oz. (74g)
- ♦ Power Source: 2 "AAA" batteries (included)

UPC	NO.
01368 7	LD7



LD9

**COMPACT LIGHTNING DETECTOR**

Early storm warning.

- Senses lightning up to 40 miles away
- Loud audible alarm and LED light
- Determines if a storm is approaching or departing
- Number of alarm beeps depends on the proximity of lightning
- Displays lightning strike distance, storm direction and battery life
- Small, impact-resistant pager-like design with belt clip

- ♦ Ranges: within 6 miles; 6 to 12 miles; 12 to 24 miles; 24 to 40 miles
- ♦ Dimensions: 3.31 x 2.17 x 0.96 in. (84 x 55 x 24mm)
- ♦ Weight: 2.6 oz. (74g)
- ♦ Battery life: up to 100 hours
- ♦ Power Source: 2 "AAA" batteries (included)

UPC	NO.
60690 2	LD9



**FEATURES****SPECIFICATIONS****BAROMETRIC ANALOG CLOCK**

- Black face
- Displays:
  - Barometric pressure
  - Temperature
  - Humidity
- 12 or 24 hour clock format
- Snooze button
- Wall or desk mount
- Outstanding decorative design
- Jumbo 13-1/8 in. diameter face

- ◆ Power Source: 1 "AA" battery (included)

**UPC NO.**  
32055 6 ABC856B



ABC856B

**DIGITAL DESK CLOCK WITH ALARM AND BACKLIGHT**

- Jumbo display
- Bright blue backlight
- Snooze alarm repeats every 8 min.
- 12 or 24 hour time format
- Extra loud alarm
- Cordless
- Easy one touch operation

- ◆ Color: black
- ◆ Digit height: 1.25 in.
- ◆ Display size: 2.9 x 1.45 in.
- ◆ Dimensions: 3.65 x 3.5 x 2.25 in. (93 x 89 x 57mm)
- ◆ Weight: 6 oz. (170g)
- ◆ Power Source: 2 "AAA" batteries (included)

**UPC NO.**  
32000 6 C322



C322

**ANALOG WALL CLOCK WITH TEMPERATURE AND HUMIDITY DISPLAY**

- Displays time, humidity and temperature
- For home or office use
- Quartz movement
- Dial feature
- Easy to read
- Green fluorescent markings

- ◆ Range: -20° to 140°F
- ◆ Humidity range: 0 to 100%
- ◆ Dimensions: 8.5 in.
- ◆ Weight: 1 lb. (454g)
- ◆ Power Source: 1 "AA" battery (included)

**UPC NO.**  
32050 1 CMOR11



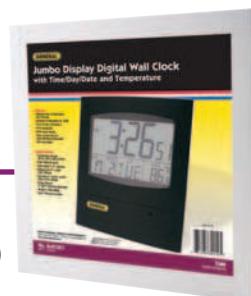
CMOR11

**DIGITAL JUMBO DISPLAY CLOCK WITH TEMPERATURE**

- Displays time, temperature, day and date
- Calendar to December 31, 2030
- 12 or 24 hour selectable
- Clear convex lens for easy viewing at any angle
- °F/C selectable
- Extra large display

- ◆ Range: -58° to 158°F (-50° to 70°C)
- ◆ Color: metallic black
- ◆ Digit height: 2.15 in.
- ◆ Display size: 6 x 3.65 in.
- ◆ Dimensions: 9 x 8.25 x 0.75 in. (229 x 210 x 93g)
- ◆ Weight: 1.5 lbs. (680g)
- ◆ Power Source: 4 "AAA" batteries (included)

**UPC NO.**  
32010 5 DJC381



DJC381

# Digital & Analog Clocks

GENERAL®



RMR383HGA

**FEATURES****WIRELESS ATOMIC CLOCK WITH REMOTE SENSOR**

- Calendar and alarm with dual settings
- Automatically sets itself to the U.S. atomic clock
- Auto adjust daylight savings time
- Crescendo alarm with snooze
- In/outdoor temperature sensor
- Indoor humidity sensor
- Wall mount or desktop display
- Remote sensor-up to 100 ft. range
- Bright backlight

**SPECIFICATIONS**

- ♦ Indoor and outdoor temperature range: -58° to 158°F (-50° to 70°C)
  - ♦ Indoor humidity range: 25% to 90%
  - ♦ Temp resolution: 0.2°F (0.1°C)
  - ♦ Humidity resolution: 1%
  - ♦ Transmitting range: up to 100 ft. every 30 seconds
  - ♦ Transmission frequency: 433 MHz
  - ♦ Power Source: 2 "AAA" batteries (included)
- Includes: • 1 wireless temp/humidity sensor

UPC  
60074 0NO.  
RMR383HGA

CTI278

**DIGITAL TIMER AND ALARM CLOCK WITH BACKLIGHT**

- Clock with timer and stopwatch
- Bright blue EL backlight
- Count-down from 23:59:59
- Count-up to 23:59:59
- Timer and clock display hours, min and sec
- 5-minute repeating snooze alarm
- 12 or 24 hour selectable clock
- Timer counts-up after count-down to 0
- Extra loud alarm

- ♦ Color: black
  - ♦ Digit height: 0.65 in.
  - ♦ Display size: 1.85 x 0.8 in.
  - ♦ Dimensions: 3 x 2.75 x 0.75 in. (76 x 70 x 19mm)
  - ♦ Weight: 3.5 oz. (99g)
  - ♦ Power Source: 2 "AAA" batteries (included)
- Includes: • Magnet, stand and clip on back

UPC  
30035 0NO.  
CTI278

TI872

**BIG DIGIT DESKTOP DIGITAL TIMER/CLOCK**

- Clock with 2 count-down timers and stopwatch
- Count-down from 23:59:59
- Count-up to 23:59:59
- Timer and clock display hours, minutes and seconds
- Counts-up after reaching zero
- Memory function recalls previous timing cycle
- 12 or 24 hour selectable clock
- Extra large display

- ♦ Digit height: 0.75 in.
  - ♦ Display size: 2.25 x 0.8 in.
  - ♦ Dimensions: 2.65 x 2.4 x 0.65 in. (67 x 61 x 17mm)
  - ♦ Weight: 2.5 oz. (71g)
  - ♦ Power Source: 1 "AAA" battery (included)
- Includes: • Magnet on back

UPC  
30065 7NO.  
TI872

AT60LR

**LONG RING 60 MINUTE TIMER**

- Sturdy construction
- No batteries required
- Wide variety of applications from Sports Medicine to Cooking

- ♦ Analog Wind Up Timer
- ♦ 0 – 60 Minutes

UPC  
30081 7NO.  
AT60LR

**FEATURES****LCD OVAL COUNTDOWN TIMER**

- Count-down from 99:59
- Displays minutes and seconds
- Sleek, lightweight design
- Pocket sized
- Easy to read display

**SPECIFICATIONS**

- ♦ Digit height: 0.3 in.
- ♦ Display size: 0.82 x 0.4 in.
- ♦ Dimensions:  
3.38 x 1.75 x 0.43 in. (86 x 44 x 11mm)
- ♦ Weight: 1 oz. (28g)
- ♦ Power Source: 1 "LR44" battery (included)
- Includes: • Magnet on back

**UPC            NO.**  
30115 9      TI071



TI071

**JUMBO DISPLAY WATERPROOF TIMER**

- Switchable 19:59 Hour / 99:59 Min.
- Resolution
- Removable Stand and Magnet
- Super Large LCD display
- Rubber Keypad
- Waterproof

- ♦ Digit height: 1.25 in. (32mm)
- ♦ Display: 2-3/4 x 1-1/2 in.
- ♦ Dimensions: 3-1/2 x 3 in.
- ♦ Power Source: 1 "AAA" battery (included)

**UPC            NO.**  
30112 8      TI110



NEW!



TI110

**3-IN-1 TIMER FOR THE VISUALLY AND HEARING IMPAIRED**

Ideal for physical therapy.

- Choice of vibrating, audible & flashing alerts
- Ideal for noisy environments
- Mount with spring clip, stand or magnet
- Automatic memory
- Switchable 20 hour/20 minute resolution
- Ideal for physical therapists and nurses

- ♦ Digit height: 0.63 in. (16mm)
- ♦ Display size: 1.4 x 0.6 in.
- ♦ Dimensions:  
2.67 x 2.67 x 0.4 in. (68 x 68 x 10mm)
- ♦ Weight: 2 oz. (57g)
- ♦ Power Source: 2 "AAA" batteries (included)

**UPC            NO.**  
30110 4      TI150



NEW!

TI150

**DUAL TIMER COUNT UP/DOWN CLOCK**

- Displays: 2 Timers, Timer + Clock, Timer + Stopwatch
- 24 Hour Timer Count Up/Down
- Audible Alarm

- ♦ Digit height: 0.35 in. (9mm)
- ♦ 23 H : 59 M : 59 S Countdown/Up
- ♦ Display: 1.75 x 0.9 in.
- ♦ Dimensions: 3-1/2 x 3-1/4 in.
- ♦ Power Source: 1 "AA" battery (included)

**UPC            NO.**  
20929 5      TI896



NEW!



TI896

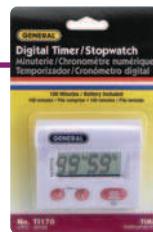
**100 MINUTE COUNT-UP AND COUNT-DOWN TIMER**

- Timer and stopwatch
- Count-down from 99:59
- Count-up to 99:59
- Displays minutes and seconds
- Automatic memory
- Loud alarm
- Large display

- ♦ Color: white
- ♦ Digit height: 0.5 in.
- ♦ Display size: 1.9 x 0.83 in.
- ♦ Unit size: 2.63 x 2 x 1.13 in.
- ♦ Weight: 2.25 oz. (64g)
- ♦ Power Source: 1 "AA" battery (included)

Includes: • Magnet, stand and clip on back

**UPC            NO.**  
30105 0      TI170



TI170



# Digital Timers

GENERAL®



TI239

## FEATURES

### COUNT UP/COUNT DOWN DIGITAL TIMER

- Timer and stopwatch
- Count-down from 99:59
- Count-up to 99:59
- Displays minutes and seconds
- Counts-up after reaching zero
- Easy to operate

## SPECIFICATIONS

- ♦ Color: navy
- ♦ Digit height: 0.35 in.
- ♦ Display size: 1.4 x 0.4 in.
- ♦ Dimensions: 2.45 x 2.25 x 0.4 in. (62 x 57 x 10mm)
- ♦ Weight: 1.5 oz. (43g)
- ♦ Power Source: 1 "LR44" battery (included)
- Includes: • Magnet, stand & clip on back

UPC      NO.  
30020 6    TI239



TI267

### JUMBO DISPLAY DIGITAL TIMER

- Count-down from 19:59
- Displays hours and minutes
- Extra large digits
- Easy operation
- Loud alarm



- ♦ Color: white
- ♦ Digit height: 0.75 in.
- ♦ Display size: 1.8 x 0.75 in.
- ♦ Dimensions: 3.5 x 2.3 x 0.75 in. (89 x 58 x 19mm)
- ♦ Weight: 1.5 oz. (43g)
- ♦ Power Source: 1 "AAA" battery (included)
- Includes: • Magnet & clip on back

UPC      NO.  
30025 1    TI267



TI268

### ECONOMY DIGITAL TIMER

- Count-down from 19:59
- Displays hours and minutes
- Extra loud alarm
- Economy model
- Easy operation



- ♦ Color: white
- ♦ Digit height: 0.25 in.
- ♦ Display size: 0.71 x 0.32 in.
- ♦ Dimensions: 2.44 x 1.97 x 0.47 in. (62 x 50 x 12mm)
- ♦ Weight: 1 oz. (43g)
- ♦ Power Source: 1 "LR44" battery (included)
- Includes: • Magnet, stand & clip on back

UPC      NO.  
30030 5    TI268



TI388

### DIGITAL FOUR CHANNEL TIMER/CLOCK

- 4 independent count-down timers
- Count-down from 99:59:59
- Count-up to 99:59:59
- 1 minute alarm
- Memory recalls previous time setting
- Automatically counts-up after reaching zero
- 12 or 24 hour clock display
- LCD displays hours, minutes & seconds

- ♦ Color: white
- ♦ Digit height: 0.63 in.
- ♦ Display size: 1.88 x 0.88 in.
- ♦ Dimensions: 2.88 x 2.5 x 0.63 in. (73 x 64 x 16mm)
- ♦ Weight: 2.25 oz. (64g)
- ♦ Power Source: 1 "LR44" battery (included)
- Includes: • Magnet, stand & clip on back

UPC      NO.  
30050 3    TI388



**FEATURES****SPECIFICATIONS****TRIPLE TIMER WITH CLOCK**

Displays 3 count-down timers at once.

- Timer, stopwatch and clock
- Count-down from 19:59:59
- Count-up to 19:59:59
- Timer displays hours, minutes and seconds
- 12 or 24 hour clock display
- 1/100 sec. stopwatch precision
- Automatic memory
- Counts-up after reaching zero

- ◆ Color: black
- ◆ Digit height: 0.35 in.
- ◆ Display size: 1.55 x 1.55 in.
- ◆ Dimensions: 3.35 x 2.5 x 0.8 in. (85 x 64 x 20mm)
- ◆ Weight: 3 oz. (85g)
- ◆ Power Source: 1 "AAA" battery (included)
- Includes: • Magnet on back

**UPC NO.**  
30055 8 TI891B



TI891B

**DUAL TIMER / CLOCK WITH JUMBO DISPLAY**

Two count-down timers work simultaneously.

- Count-down from 23:59:59
- Count-up to 19:59:59
- Large digital display
- 12 or 24 hour clock
- Lock mode
- Bracket for wall mounting

- ◆ Color: black only
- ◆ Digit height: 1 in.
- ◆ Display size: 3 x 2.5 in.
- ◆ Dimensions: 5.5 x 3.75 x 1 in. (140 x 95 x 25mm)
- ◆ Weight: 6.5 oz. (184g)
- ◆ Power Source: 1 "AAA" battery (included)
- Includes: • Magnet, stand and clip on back

**UPC NO.**  
30075 6 TI895B



TI895B

**SPEEDY SET DIGITAL TIMER**

- Timer, stopwatch and clock
- Count-down from 9:59:59
- Count-up to 9:59:59
- Clock displays hours, minutes and seconds
- 12 or 24 hour clock display

- ◆ Color: black
- ◆ Digit height: 0.5 in.
- ◆ Display size: 1.25 x 0.5 in.
- ◆ Dimensions: 2.63 x 2 x 1.13 in. (67 x 51 x 29mm)
- ◆ Weight: 1.6 oz. (45g)
- ◆ Power Source: 1 "LR44" battery (included)
- Includes: • Magnet, stand and clip on back

**UPC NO.**  
30080 0 TI897B



TI897B

**SPEEDY SET DIGITAL TIMER WITH LANYARD**

- Timer, stopwatch and clock
- Count-down from 9:59:59
- Count-up to 23:59:59
- Clock displays hours, minutes and seconds
- 12 or 24 hour clock display

- ◆ Color: black
- ◆ Digit height: 0.5 in.
- ◆ Display size: 1.25 x 0.5 in.
- ◆ Dimensions: 4.75 x 1.25 x 0.75 in. (121 x 32 x 19mm)
- ◆ Weight: 1.6 oz. (45g)
- ◆ Power Source: 1 "LR44" battery (included)
- Includes: • Lanyard  
• Magnet, stand and clip on back

**UPC NO.**  
30090 9 TI898B



TI898B

**JUMBO DISPLAY SPEEDY SET DIGITAL TIMER**

- Timer, stopwatch and clock
- Count-down from 9:59:59
- Count-up to 9:59:59
- Large digital display
- Clock displays hours, minutes and seconds

- ◆ Color: black
- ◆ Digit height: 0.75 in.
- ◆ Display size: 2.25 x 0.88 in.
- ◆ Dimensions: 3 x 2.5 x 0.75 in. (76 x 64 x 19mm)
- ◆ Weight: 3.2 oz. (91g)
- ◆ Power Source: 1 "AAA" battery (included)
- Includes: • Magnet, stand and clip on back

**UPC NO.**  
30095 4 TI899B



TI899B



SW100A

**FEATURES****MULTI-FUNCTION BLACK STOPWATCH**

- Count-up to 23:59:59
- Displays lap time, minutes, seconds, month, day and date
- Daily alarm and hourly chime
- 1/100 seconds precision (for first 30 minutes)
- 12 or 24 hour selectable clock with snooze feature
- Water resistant
- Easy to hold design

**SPECIFICATIONS**

- ♦ Color: black
- ♦ Digit height: 0.28 in.
- ♦ Display size: 0.82 x 0.43 in.
- ♦ Dimensions: 2.4 x 2 x 0.5 in. (61 x 51 x 13mm)
- ♦ Power Source: 1 "CR2016" battery (included)

**UPC      NO.**  
30999 5      SW100A



SW100AY

**MULTI-FUNCTION YELLOW STOPWATCH**

- Count-up to 23:59:59
- Displays lap time, minutes, seconds, month, day and date
- Daily alarm and hourly chime
- 1/100 seconds precision (for first 30 minutes)
- 12 or 24 hour selectable clock with snooze feature
- Water resistant
- Easy to hold design



- ♦ Color: yellow
- ♦ Digit height: 0.28 in.
- ♦ Display size: 0.82 x 0.43 in.
- ♦ Dimensions: 2.4 x 2 x 0.5 in. (61 x 51 x 13mm)
- ♦ Power Source: 1 "CR2016" battery (included)

**UPC      NO.**  
31002 1      SW100AY



SW269

**STOPWATCH WITH CLOCK**

- Count-up to 39:59:59
- Displays lap time, hours, minutes, seconds, month, day and date
- 1/100 seconds precision (for first 40 minutes)
- Daily alarm and hourly chime
- 12 or 24 hour selectable clock with alarm feature
- Water resistant

- ♦ Color: black
- ♦ Digit height: 0.27 in.
- ♦ Display size: 1.2 x 0.8 in.
- ♦ Dimensions: 2.6 x 2.1 x 0.55 in. (66 x 53 x 14mm)
- ♦ Power Source: 1 "CR2016" battery (included)

**UPC      NO.**  
31005 2      SW269

# Stopwatches/Compass

## FEATURES

### DIGITAL STOPWATCH WITH BACKLIGHT

- 1/100 second precision with lap counter
- Displays lap time, date, month, day, hour, minute, second
- Calendar and Time (12/24 hour format)
- Daily Alarm, snooze and hourly chime
- Big digit display
- Water resistant
- Shock resistant
- Replaces SW709BL

## SPECIFICATIONS

- ◆ Color: gray
- ◆ Digit height: 0.48 in.
- ◆ Display size: 1.3 x 0.63 in.
- ◆ Dimensions:  
3 x 2.35 x 0.78 in. (76 x 60 x 20mm)
- ◆ Power Source: 1 "CR2016" battery (included)

UPC                  NO.  
31035 9            SW88M



SW88M

### THREE LINE STOPWATCH

- Triple line display
- 16 Lap and split memory with 1/100 second precision
- Fastest and slowest lap calculation
- Countdown timer
- Pacer with programmable memory
- Calendar and Time (12/24 hour format)
- Daily Alarm
- Memory full indicator
- Water resistant
- Shock resistant
- Replaces SW270

- ◆ Color: black
- ◆ Digit height: 0.23 in.
- ◆ Display size: 1.35 x 0.9 in.
- ◆ Dimensions:  
2.8 x 2.2 x 0.6 in. (71 x 96 x 15mm)
- ◆ Power Source: 1 "CR2016" battery (included)

UPC                  NO.  
31025 0            SW88L



SW88L

### DIGITAL COMPASS WITH BACKLIGHT

Check directions, day, date and time.

- Solid compass arrow
- Displays cardinal points
- Numeric heading
- °F/°C switch
- Reset and on/off buttons
- Field calibratable
- Lock function
- Day and date display
- Clock with snooze alarm
- Water resistant
- Rugged rubber clip

- ◆ Numeric heading: displays every 5°
- ◆ Compass arrow: moves in 22.5° increments
- ◆ Cardinal points: N, E, NE, SE, S, SW, W, NW
- ◆ Temperature accuracy: ±2°F (±1°C)
- ◆ Directional accuracy: ±20°
- ◆ Dimensions:  
5.25 x 2.63 x 1 in.  
(134 x 67 x 25mm)
- ◆ Power Source:  
3 "AAA" batteries (included)

Includes:  
• Lanyard  
UPC                  NO.  
62065 6            DC360BL



DC360BL



DAMP206

## FEATURES

## DELUXE DIGITAL AMP CLAMP METER

Plant Maintenance, HVAC/R.

- 10 Functions - 34 Ranges
- Backlight and jaw light
- 1,000 amps AC
- Measures frequency, temperature and capacitance
- Data hold and rel. mode
- Diode test and continuity beeper
- Manual or auto ranging
- Jumbo 4 digit display
- Low battery indicator

## SPECIFICATIONS

- ♦ AC/DC voltage: to 600V
- ♦ AC current: to 1,000A
- ♦ Resistance: to 40MΩ
- ♦ Range: -40° to 1000°C
- ♦ Sampling rate: 3 times/second
- ♦ Jaw opening: 1.57 in.
- ♦ Dimensions: 10.2 x 4.1 x 2 in. (260 x 104 x 51mm)
- ♦ Power Source: 1 "9V" and 1 "AAA" battery (included)
- Includes: • Soft case
- All weather test leads
- Temperature probe

UPC      NO.  
50026 2    DAMP206

CE  
RoHS  
DAMP222

## MINI AC/DC AMP CLAMP METER

AC/DC Current readings.

- 6 Functions - 6 Ranges
- Data and peak hold
- Auto power off
- Easy-to-use
- Continuity beeper
- Low battery indicator
- Auto power off
- Jumbo 4 digit LCD display
- CE and RoHS approved

- ♦ AC/DC voltage: to 600V
- ♦ AC/DC current: to 600A
- ♦ Resistance: to 1000Ω
- ♦ Sampling rate: 2 times/second
- ♦ Jaw opening: 1 in.
- ♦ Dimensions: 7.4 x 2 x 1.3 in. (188 x 51 x 33mm)
- ♦ Weight: 7.8 oz. (221g)
- ♦ Power Source: 2 "AAA" batteries (included)
- Includes: • All weather test leads
- Soft carrying case

UPC      NO.  
50030 9    DAMP222

DAMP60  
Replaces DAMP221

## RUGGED AC AMP CLAMP

- 7 Functions - 20 Ranges
- Auto Ranging
- Easy to use
- Data Hold, Max Hold
- 3-1/2 in. Digit Jumbo LCD Display
- Continuity Buzzer, Diode Test
- Auto Power Off

- ♦ AC Current: 600AAC
- ♦ AC Voltage: 2/20/200/600VAC
- ♦ DC Voltage: 200mV/2/20/200/600VDC
- ♦ Resistance: 200/2k/20k/200k/2M/20MΩ
- ♦ Frequency: 10 - 2000Hz
- ♦ Power Source: 2 "AAA" batteries (included)
- Includes: • Test leads
- Carrying case

UPC      NO.  
01356 4    DAMP60



**AMP Clamps/Multimeters****FEATURES****RUGGED HVAC TRUE RMS AMP CLAMP**

- 11 Functions - 34 Ranges
- True RMS
- AC/DC Amps
- Easy to use
- Temperature
- Capacitance
- Max Hold, Zero Button
- Auto Ranging
- 3-1/2 in. Digit Jumbo LCD Display
- Continuity Buzzer, Diode Test
- Auto Power Off
- Replaces DAMP222

**SPECIFICATIONS**

- ♦ AC Current: 600AAC
- ♦ AC Voltage: 400mV/4/40/400/600VAC
- ♦ DC Current: 600ADC
- ♦ DC Voltage: 400mV/4/40/400/600VDC
- ♦ Resistance: 400/4k/40k/400k/4M/40MΩ
- ♦ Capacitance: 40n/400nF/4μ/40μ/400μ/4000μF
- ♦ Frequency: 10/100/1000/10k/100k/1000k/10MHz
- ♦ Temperature: -40° to 752°F (-40° to 400°C)
- ♦ Power Source: 3 "AAA" batteries (included)
- Includes:
  - Test leads
  - Carrying case

**UPC**      **NO.**  
01369 4      DAMP68



DAMP68

**AUTOMOTIVE AC/DC ADAPTER**

Many Automotive uses.

- Rugged Construction
- Measures both AC and DC Current
- High Accuracy
- DC Zero Adjust
- Fits all standard Digital Multimeters

- ♦ Current: 0-600A AC/DC
- ♦ Power Source: 1 "9V" battery (included)

**UPC**      **NO.**  
10014 1      DAMP3500



DAMP3500

**AUTOMOTIVE METER/AUTOMOTIVE KIT**

AC/DC Current readings.

- 12 Functions - 39 Ranges
- Great for Automotive use
- Bar graph display
- 10 MΩ input Impedance
- Auto Power Off
- ♦ Temperature: -4° to 1832°F (-20° to 1000°C)
- ♦ DC Voltage: 0-400mV/4V/40V/400V/600VDC
- ♦ AC Voltage: 0-400mV/4V/40V/400V/600VAC
- ♦ DC Current: 0-400μA/4000μA/40mA/400mA/10ADC
- ♦ AC Current: 0-400μA/4000μA/40mA/400mA/10AAC
- ♦ Resistance: 0-400/4k/40k/400k/4M/40MΩ
- ♦ Frequency: 10-4k/40k/400kHz
- ♦ Tach: 600-4000 (RPM), 4000-12000 (X) 10 RPM
- ♦ Dwell: 0-90.0° (4CYL), 0-72.0° (5CYL), 0-60.0° (6CYL), 0 -45.0° (8CYL)
- ♦ Duty Cycle: 1.0 to 90.0%
- ♦ Continuity test: 5.8 x 2.8 x 1.5 in. (147 x 70 x 39mm)  
12.9 oz. (370g)

- ♦ Power Source: 1 "9V" battery (included)
- Includes:
  - Test Leads
  - Temperature Probe
  - Inductive Pickup
  - Rubber Holster

**UPC**      **NO.**  
50031 6      DAMP3505  
10016 5      DAMP3505KIT = DAMP3500 + DAMP3505

DAMP3505  
DAMP3505KIT

# ELECTRICAL Multimeters

GENERAL®



CE  
RoHS  
DMM122DL

## FEATURES

### DATA LOGGING TRUE RMS MULTIMETER WITH PC INTERFACE

TRMS for variable speed drives etc.

- 00 Functions - 00 Ranges
- Data logger
- Auto ranging
- Diode test
- Continuity beeper
- RS-232 computer interface
- LED backlight
- Data and peak hold
- Shock absorbent holster
- Min/Max Recording
- Frequency/RPM
- Δ rel mode
- 32,000 record data logger
- CE and RoHS approved

## SPECIFICATIONS

- ♦ AC voltage: 400mV to 750V
- ♦ DC voltage: 400mV to 1,000V
- ♦ AC/DC amps: 400µA to 10A
- ♦ Frequency: 4KHz to 40MHz
- ♦ Ohms: 400 to 40MΩ
- ♦ Temperature range:  
-58° to 1832°F (-50° to 1000°C)
- ♦ RPM: 40K RPM to 400M RPM
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • RS-232 computer interface w/ Cable, Software
- Holster
- Test leads & 1 "K" type beaded probe (TPK500)

UPC NO.  
50110 8 DMM122DL



DMM333

### DIGITAL CREDIT CARD STYLE MULTIMETER

Fits in shirt pocket.

- 7 Functions - 25 Ranges
- Easy to use
- Card size
- Auto ranging
- Continuity beeper
- Diode Check
- Auto power off
- Low battery indicator
- Fast sampling rate
- Data hold
- Max hold

- ♦ DC Voltage: 200mV/2/20/200/7500VDC
- ♦ AC Voltage: 2/20/200/500VAC
- ♦ DC Current: 200u/a/2/20/200mA
- ♦ AC Current: 200u/a/2/20/200mAAC
- ♦ Resistance: 200/2k/20k/2M/20MΩ
- ♦ Dimensions:  
4.25 x 2.1 x 0.25 in. (108 x 53 x 6.4mm)
- ♦ Power Source: 2 "LR44" batteries (included)
- Includes: • Test leads

UPC NO.  
50105 4 DMM333



DMM51FSG

### DIGITAL SERVICE MULTIMETER

HVAC/R, Industrial uses.

- 8 Functions - 34 Ranges
- Measures AC/DC voltage, AC/DC current, resistance, diode, continuity and transistors
- Jumbo LCD display
- Micro amps for FSG measurement
- Low battery display
- Continuity beeper
- Protective boot with tilt stand

- ♦ AC voltage: 200mV to 750V
- ♦ DC voltage: 200mV to 1000V
- ♦ AC current: 200µA to 10A (6 Ranges)
- ♦ DC current: 20µA to 10A (7 Ranges)
- ♦ Resistance: 200Ω to 200MΩ (7 Ranges)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • All weather test leads
- Rubber Holster

UPC NO.  
50190 0 DMM51FSG



DMM830HS

### ECONOMY DIGITAL MULTIMETER WITH LED AND CONTINUITY BEEPER

Provides electrical readings economically.

- 7 Functions - 20 Ranges
- Single lead hotside identification with bright red LED
- Continuity beeper with red LED
- AC/DC Volts
- DC current
- Distinguished hot and ground
- Ground disconnect check

- ♦ AC voltage: 200V, 750V (2 Ranges)
- ♦ DC voltage: 2V to 1000V (4 Ranges)
- ♦ DC current: 200µA to 10A (5 Ranges)
- ♦ Resistance: 200Ω to 2MΩ (5 Ranges)
- ♦ Power Source: 1 "9V" battery (included)
- Includes: • Test leads

UPC NO.  
50100 9 DMM830HS

**FEATURES****SPECIFICATIONS****ANALOG MULTIMETER**

Makes economical electrical readings.

- 5 Functions - 13 Ranges
- Fuse and diode protected
- Single knob function and range selector switch
- Self-storing leads
- AC/DC Volts
- DC current
- UL Listed



- ♦ AC voltage: 0/50/250/500 Volts
- ♦ DC voltage: 0/10/50/250/500 Volts
- ♦ DC current: 0/25mA/250mA
- ♦ Resistance: 0 - 1MΩ
- ♦ Dimensions: 4 x 2-1/2 x 3/4 in.
- ♦ Power Source: 1 "AA" battery (included)

Includes:

- Test leads

**UPC NO.**  
50005 7 AM35UL



**AM35UL**

**DIGITAL UL LISTED MULTIMETER**

Economical Electrical Readings.

- 7 Functions - 20 Ranges
- High Impact Thermoplastic Case
- Simple Operation
- Small Pocket Size
- Safety Recessed Test Lead Connections
- Continuity Buzzer
- UL Listed



- ♦ Ranges and Accuracy
- ♦ AC Voltage: 0-200/600 Vac, ±2.5%
- ♦ DC Voltage: 0-200mV/2/20/200/600 Vdc, ±2%
- ♦ DC Current: 0-2000uA/20m/200mA/10Adc, ±1%
- ♦ Resistance: 0-200/2k/20k/200k/2M/20MΩ, ±1.5%
- ♦ Power Source: 1 "9V" battery (included)

Includes:

- Battery Test
- Diode Test

**UPC NO.**  
50121 4 DMM20UL



**DMM20UL**

**AUTOMATIC DIGITAL CAPACITOR TESTER**

Checks Capacitors on controller boards.

- 0.5% accuracy
- Overload fuse protection
- Alligator test clips
- Insert jacks or test leads
- Easy measurement



- ♦ Range: 200 pF/2nF/20nF/200nF
- ♦ Measurement voltage: 4.5 V max.
- ♦ Test frequency: 8/80/800 Hz
- ♦ Principle: Dual slope integration
- ♦ Power Source: 1 "9V" battery (included)

Includes:

- Alligator test leads
- Soft case

**UPC NO.**  
50192 4 CAP1500



**CAP1500**

**PRECISION DIGITAL INSULATION TESTER**

Ideal for preventive maintenance on motor windings.

- 4 digit LCD display
- Auto ranging
- Test hold function
- Over range indication
- Low battery warning
- Continuity beeper
- 40 segment analog display
- Automatic zero to null resistance
- Frictional back cover design

- ♦ AC/DC voltage: to 600V
- ♦ Ohms: 400, 4,000 (auto-ranging)
- ♦ MΩ: 4, 40, 400, 4000 at 250/500/1000V
- ♦ Dimensions: 7-1/2 x 4-1/4 x 2-1/2 in.
- ♦ Power Source: 8 "AA" batteries (included)

Includes:

- Test leads
- Large jaw alligator clips
- Soft case

**UPC NO.**  
42015 7 DIT360



**DIT360**

# Electrical Kit/Stud/Voltage/Metal Detectors

GENERAL®



ETK100

## FEATURES

### UTILITY ELECTRICAL KIT

Ideal for the Home Handyman.

- 7 Functions - 20 Ranges
- Continuity Buzzer
- UL Listed

Contains:

- No. 906 - Diagonal Cutter
- No. 69 - Dial Wire Stripper
- No. 84101 - Flip Driver 6-IN-1 Screwdriver with 3 double ended bits: 3/16", 1/4" Slotted; #1, #2 Phillips; 1/4", 5/16" Nut Driver
- DMM20UL - Digital Multimeter - Manual Range

## SPECIFICATIONS

- ♦ Wire Gage Capacity: 26, 24, 22, 20, 18, 16, 14, 12
  - ♦ AC Voltage: 200/600V
  - ♦ DC Voltage: 200mV/2/20/200/600V
  - ♦ Resistance: 200/2k/20k/200k/2/20MΩ
  - ♦ DC Current: 2mA/20m/200mA/10A
  - ♦ Battery Test 1.5V/9V
  - ♦ Diode Test
  - ♦ Power Source: 1 "9V" battery (included)
- Includes: • Zippered Case

UPC NO.  
50197 9 ETK-100



MSV250



### 3-IN-1 LED STUD/VOLTAGE/METAL DETECTOR

Ideal for Locating Studs, Objects/Wires Carrying Voltage, Hidden Metal.

- Stud, Voltage and Metal Detection combined in one unit
- 4-level low power consuming LED's indicate precise stud detection
- Metal/Voltage Selector Switch provides accuracy in detecting hidden metal or wiring
- Stud Detector can be operated with Metal or Voltage Detector simultaneously
- Easy to distinguish between battens/studs, metal pipes/tubes or objects carrying voltage
- No probe necessary

- ♦ Dimensions: 6.1 x 2.6 x 1.3 in. (155 x 65 x 32mm)
  - ♦ Weight: 6.3 oz. (178g)
  - ♦ Power Source: 1 "9V" battery (not included)
- Includes: • User's Manual

UPC NO.  
01276 5 MSV250



MSV350D



### DIGITAL 3-IN-1 LCD STUD / VOLTAGE / METAL DETECTOR

Ideal for Locating Studs, Pipes, Wires Carrying Voltage and Hidden Metal.

- Selectable Metal, Voltage and Stud detections or Auto Mode to perform 3 functions simultaneously
- Micro-Processor Control Circuits provide precise and accurate detections
- Results shown on LCD with buzzer
- Multi-Scan-Level to pinpoint exact position
- Battery status indicated on LCD
- Auto Power OFF
- Low power consumption
- Ideal for the D. I. Y. Homeowner, Handyman, Hobbyist and Professional

- ♦ Dimensions: 6.1 x 2.6 x 1.3 in. (155 x 65 x 32mm)
  - ♦ Weight: 6.5 oz. (185g)
  - ♦ Power Source: 1 "9V" battery (not included)
- Includes: • User's Manual

UPC NO.

01275 8 MSV350D



**FEATURES****SPECIFICATIONS****CIRCUIT ANALYZER**

Ideal for checking wall outlets.

- Warns against faulty wiring in 3-wire receptacles
- Works on 110 to 125V AC circuits
- Gives instant display of wiring condition
- Detects faulty wiring in three wire receptacles
- Combinations of three lights indicate if wiring is correct
- Combinations of three lights indicate six possible faulty conditions

**UPC** 01359 5    **NO.** CT300



CT300

**3 WIRE TESTER WITH GFCI**

Ideal for Home Inspection.

- Works on 110 to 125V AC circuits
- Tests GFCI receptacle for proper operation
- Gives instant display of wiring condition
- Detects faulty wiring in three wire receptacles
- Combinations of three lights indicate if wiring is correct
- Combinations of three lights indicate six possible faulty conditions

**UPC** 51067 4    **NO.** GF1302



GF1302

**LINE VOLTAGE SCREWDRIVER TESTER**

Tests for continuity, polarity, breaks in lines.

- LED light and buzzer indication
- AC contact and non-contact
- DC volts
- Checks fuses
- Continuity and polarity checks
- Microwave leakage test

- ♦ AC voltage: 70 to 250 VAC/DC
- ♦ DC voltage / polarity check: 1.3 to 3.6 VDC
- ♦ Continuity test: 0 to 100MΩ
- ♦ Power Source: 1 "LR44" battery (included)

**UPC** 51075 9    **NO.** CT500AV



CT500AV

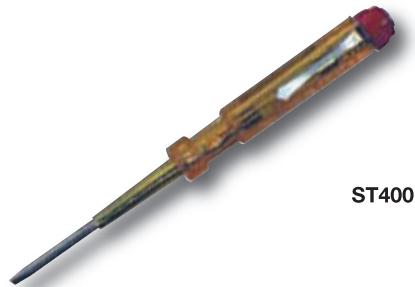
**ECONOMY SCREWDRIVER TESTER**

Checks for "Hot" side of outlet.

- High voltage tester
- Pocket screwdriver
- Clips to shirt pocket

- ♦ AC/DC voltage: 90 to 250V
- ♦ Weight: 0.06 lbs. (27g)
- ♦ Power Source: 1 "LR44" battery (included)

**UPC** 51005 6    **NO.** ST400



ST400

**BRIGHT RED LED SCREWDRIVER TESTER**

Checks for Continuity, Voltage.

- Self-test
- Continuity and polarity checks
- Microwave leakage test
- Checks fuses
- Drop-resistant to 10 ft.

- ♦ AC voltage: 70 to 250V
- ♦ Non-contact AC: 70 to 600V
- ♦ Continuity test: 0 to 50MΩ
- ♦ Power Source: 1 "LR44" battery (included)

**UPC** 51115 2    **NO.** ST600LED



ST600LED

**FEATURES****LINE VOLTAGE TESTER**

Ideal for Outlet wiring.

- Easy-to-use
- Protective leads
- Handy pocket clip
- UL Listed

**SPECIFICATIONS**

- AC/DC voltage: 80 to 500V
- Amps: 0.3
- Wire gauge: 18 gauge
- Weight: 0.10 lb. (45g)

**UPC      NO.**  
51025 4      CT101

**LOW VOLTAGE TESTER**

Ideal for Doorbell transformers and low voltage relays.

- Easy-to-use
- Insulated boots
- Alligator clips
- Handy pocket clip

- AC/DC voltage: 5 to 50V
- Amps: 5
- Wire gauge: 18 gauge
- Weight: 0.10 lb. (45g)

**UPC      NO.**  
51035 3      CT102

**MULTI-VOLTAGE TESTER**

Checks for voltage levels and hot wires.

- 4 Way voltage tester
- Automatically indicates voltage of circuit indoor test
- Handy pocket clip
- UL Listed



- AC/DC voltage: 110, 220, 277, 460V
- Amps: 1.3
- Wire gauge: 20 gauge
- Weight: 0.16 lb. (73g)

**UPC      NO.**  
51045 2      CT103



NEW!

**AUDIBLE/VISUAL NON-CONTACT VOLTAGE TESTER, UL LISTED**

Ideal for voltage breaks in lines.

- Non-Contact Voltage Detection
- Indicates presence of voltage from 50-600VAC
- Reads Hot Wire With Respect to Ground
- Audible and Visual Indication
- Easy-to-use
- UL Listed



- Voltage Range: 0-600VAC CAT IV  
0-1000VAC CATIII
- Frequency Range: 50-500Hz
- Operating Environment: 32° to 122° F (0° to 51°C) at <95%RH
- Storage Temperature: -4 to 140°F (-20 to 60°C) at <95%RH
- Dimensions: 6.0 x .9 x .8 in. (152 x 23 x 20 mm)
- Weight: 1.6 oz. (50g)
- Power Source: 2 "AAA" batteries (included)

**UPC      NO.**  
012621 1      VS3000A



# Starter Switch/Test Leads

## FEATURES

### START SWITCH 16/2, 20 AMP, PUSH BUTTON (UL SWITCH)

Quickly hooks up motors/machinery for testing.

- Red and black heavy duty boots
- Large clips
- Push button start switch
- Replaces any C-6 start switch

## SPECIFICATIONS

- ♦ Amps: 15
- ♦ Wire gauge: 16/2 gauge
- ♦ Length: 2 ft.
- ♦ Weight: 0.52 lb. (240g)

UPC      NO.  
51145 9    SSC6



SSC6

### TEST CORD (MALE)

- Red and black heavy duty boots
- Large clips
- 2 wire

- ♦ Volts: 125V
- ♦ Amps: 13A
- ♦ Wire gauge: 16 gauge
- ♦ Length: 72 in.
- ♦ Weight: 0.50 lb. (227g)

UPC      NO.  
50601 1    CT600M



CT600M

### TEST CORD (FEMALE)

- Red and black heavy duty boots
- Large clips
- 3 wire
- Get power in remote areas without 110V outlet

- ♦ Volts: 125V
- ♦ Amps: 13A
- ♦ Wire gauge: 16 gauge
- ♦ Length: 24 in.
- ♦ Weight: 0.36 lb. (163g)

UPC      NO.  
51095 7    CT700F



CT700F

### MULTI-COLORED TEST LEADS

Handy Jumper set of Leads.

- Easy-to-use multi-colored test leads
- 5 colors (2 each) for easy testing on the job white, red, black, yellow and green

- ♦ Volts: 300V
- ♦ Wire gauge: 22 gauge
- ♦ Length: 18 in.
- ♦ Weight: 0.18 lb. (82g)

UPC      NO.  
51105 3    CT800



CT800

### STANDARD TEST LEADS

Handy Jumper Leads.

- 2 lengths available
- Handy jumper test leads
- Medium alligator clips
- Insulated boots

- ♦ Volts: 300V
- ♦ Amps: 10A
- ♦ Wire gauge: 16 gauge
- ♦ TL100 length: 36 in.
- ♦ Weight: 0.12 lb. (54g)

UPC      NO.  
51125 1    TL100



TL100

TL360W



## FEATURES

**ALL WEATHER TEST LEADS**

Ideal for cold weather.

- Flexible soft leads
- Ideal for cold months
- Medium alligator clips with insulated boots

## SPECIFICATIONS

- ♦ Volts: 300V
- ♦ Amps: 10A
- ♦ Wire gauge: 18 gauge
- ♦ Length: 36 in.
- ♦ Weight: 0.26 lb.

<b>UPC</b>	<b>NO.</b>
51135 0	TL360W

TL13

**TEST LEADS WITH HARD POINT**

- Comfort-grip probe with PVC-insulated leads. Safety-shrouded, right-angled inputs
- CAT IV 600 V, CAT III 1000 V, 10A rating

<b>UPC</b>	<b>NO.</b>
01344 1	TL13

TL108

**TEST LEADS**

- Includes right angle end and straight end silicone test leads. PVC-insulated leads
- CATIII 1000V/CATIV 600V, 10A rating

<b>UPC</b>	<b>NO.</b>
01351 9	TL108

TL20K

**TEST LEADS**

- Includes 2 each: alligator clips, industrial test grip, right angle silicon test leads
- CATIII 1000V/CATIV 600V, 10A rating

<b>UPC</b>	<b>NO.</b>
01350 2	TL20K

TL23K

**TEST LEADS**

- Includes 2 each: insulated silicon test lead, straight and right-Angle Shrouded Banana Plugs, Probes with Flat Blade Tips, Alligator clips
- CATIII 1000V/CATIV 600V, 10A rating

<b>UPC</b>	<b>NO.</b>
01349 6	TL23K

ETL111

**ALLIGATOR CLIP SET 1000V**

- Alligator Clips with Boots CATIII, 1000V, 10A rating

<b>UPC</b>	<b>NO.</b>
01348 9	ETL111

AMY6

**NORTH POLE/SOUTH POLE MAGNETIC DETECTOR**

- Finds north and south poles of magnetic fields
- Two color LED indication (red for "N", green for "S")
- Loud buzzer indication
- Pocket clip

- ♦ Operating voltage: 6V
- ♦ Power Source: 4 "LR44" batteries (included)

<b>UPC</b>	<b>NO.</b>
55300 8	AMY6

**ZIP-TOP TOOL AND METER BAG, 16 IN. WIDE**

- Moisture-resistant reinforced bottom
- Steel frame mouth and rivet reinforced for rugged use and durability
- Adjustable padded non-slip shoulder strap
- Dimensions:  
12 x 16 x 8 in. (305 x 406 x 203mm)

UPC NO.  
01319 9 81001

**ULTRA TUFF™**  
TOOL BAGS

81001

**ACCESSORIES**

UPC	MODEL	DESCRIPTION
<b>MOISTURE/TEMPERATURE &amp; HUMIDITY REPLACEMENT PROBES</b>		
01255 0	MP7003	EXTERNAL PIN TYPE PROBE FOR MMD7003
70604 6	MP7021	EXTERNAL PIN TYPE PROBE FOR MM70, MM70D
07070 3	MP7022	ROLLER TYPE PROBE FOR MM70, MM70D
07040 6	MP7011	EXTERNAL PIN TYPE PROBE FOR MM700D
07050 5	MP7012	ROLLER TYPE PROBE FOR MM700D
<b>PSYCHROMETERS REPLACEMENT WICKS/THERMOMETERS</b>		
10043 1	P8706	REPLACEMENT PROBE FOR EP8706
10260 2	SPR108	(2) RED SPIRIT THERMOMETERS FOR SP100FR
10265 7	SPR109	(2) RED SPIRIT THERMOMETERS FOR SP100CR
10270 1	SPR120	(6) REPLACEMENT WICKS FOR ALL PSYCHROMETERS
10202 2	RTSP	(2) REPLACEMENT THERMOMETERS FOR TSP200R (RED SPIRIT)
<b>WATER QUALITY METERS/REPLACEMENT PROBES</b>		
41335 7	8690P	REPLACEMENT HEAD FOR MODEL DPH8690
41451 4	CP22CT	REPLACEMENT CONDUCTIVITY PROBE FOR: DCM22CT
41446 0	CP4300	REPLACEMENT CONDUCTIVITY PROBE FOR: DCM4300
41442 2	CTOP2001	REPLACEMENT CONDUCTIVITY/TDS PROBE FOR: DCT2001, DCM22CT, DCM4300
41439 2	DOP2201	REPLACEMENT DISSOLVED OXYGEN PROBE FOR: DPHC2001
<b>REFRIGERANT LEAK DETECTOR SENSOR</b>		
01378 6	RS380	REPLACEMENT SENSOR FOR RLD380L & RLD382P
<b>AIRFLOW METER REPLACEMENT VANES</b>		
40006 7	P8901	REPLACEMENT VANE FOR MODEL DCFM8901
01291 8	P8912	REPLACEMENT VANE FOR WDCFM8912
40121 7	P4204	REPLACEMENT VANE FOR MODEL HWA4204HA
40136 1	P80M	REPLACEMENT VANE FOR DAF80PWM
40137 8	P80MIN	REPLACEMENT VANE FOR DAF80MIN
01253 6	P80W	REPLACEMENT VANE FOR DAF80PW
01259 8	PHWA2005	REPLACEMENT VANE FOR HWA2005DL
01260 4	P2005DAF	REPLACEMENT VANE FOR DAF2005MDL

INDUSTRIAL



MP7003



CTOP2001



MP7021



MP7012



P80M



P80MIN



P2005DAF



P4204



P8901



P8912



P1600ART-1SM



PM003



81001



HR33LJ



HR33LJ

UPC	MODEL	DESCRIPTION
<b>CAMERA PROBES, EXTENSIONS AND ACCESSORIES</b>		
01396 0	P1839	OBEIDENT, FORWARD VIEW PROBE FOR DCS 1800 & DCS1600 - 2.46 FT (0.75m) - Diam. 3.9mm
01379 3	P1618-1SR	OBEIDENT, FORWARD VIEW PROBE FOR DCS 1800 & DCS1600 - 3.2 FT (1m) - Diam. 5.5mm
01380 9	P1618-2SR	OBEIDENT, FORWARD VIEW PROBE FOR DCS 1800 & DCS1600 - 6.6 FT (2m) - Diam. 5.5mm
01381 6	P1618-3SR	OBEIDENT, FORWARD VIEW PROBE FOR DCS 1800 & DCS1600 - 9.8 FT (3m) - Diam. 5.5mm
01382 3	P1618-1SM	SOFT METAL FORWARD VIEW PROBE FOR DCS1600 & DCS1800 - 3.2 FT (1m) - Diam. 5.5mm
01383 0	P1618-3SM	SOFT METAL FORWARD VIEW PROBE FOR DCS1600 & DCS1800 - 9.8 FT (3m) - Diam. 5.5mm
01357 1	P1618-5SM	SOFT METAL FORWARD VIEW PROBE FOR DCS1600 & DCS1800 - 16.4 FT (5m) - Diam. 5.5mm
01384 7	P1618-10SM	SOFT METAL FORWARD VIEW PROBE FOR DCS1600 & DCS1800 - 32.8 FT (10m) - Diam. 5.5mm
01385 4	P1618-30SM	SOFT METAL FORWARD VIEW PROBE FOR DCS1600 & DCS1800 - 98.4 FT (30m) - DIAM. 5.5mm
01395 3	DCS1618M	MEASURING ATTACHMENT AND SOFTWARE FOR DCS1800 AND DCS1600
01418 9	P16ART-1SM	1M, ARTICULATING, SOFT METAL PROBE FOR DCS1600 SYSTEMS
01419 6	P18ART-1SM	1M, ARTICULATING, SOFT METAL PROBE FOR DCS1800 SYSTEMS
01370 0	PM003	REPLACEMENT MIRROR SET FOR DCS1600 & DCS1800 (set of 3) 70°, 90° 110°
01393 9	P400-1	OBEIDENT REPLACEMENT PROBE FOR DCS400 W/CAMERA & LED - 3.2 FT (1m) - Diam. 17mm
01394 6	P400-1X	OBEIDENT REPLACEMENT PROBE FOR DCS400 - 3.2 FT (1m) - Diam. 17mm
01399 1	P400-95	OBEIDENT REPLACEMENT PROBE FOR DCS400 W/CAMERA & LED - 3.2 FT (1m) - Diam. 9.5mm
01386 1	P230-1	OBEIDENT REPLACEMENT PROBE FOR DCS200/300 W/CAMERA & LED - 3.2 FT (1m) - Diam. 12mm
01387 8	P230-1X	OBEIDENT REPLACEMENT PROBE FOR DCS200/300 - 3.2 FT (1m) - Diam. 12mm
01390 8	P230-2X	OBEIDENT REPLACEMENT PROBE FOR DCS200/300 - 6.6 FT (2m) - Diam. 12mm
01391 5	P230-3X	OBEIDENT REPLACEMENT PROBE FOR DCS200/300 - 9.8 FT (3m) - Diam. 12mm
<b>SOFTWARE KITS</b>		
41420 0	LSFT KIT	DOWNLOAD SOFTWARE & CABLE FOR: DCM22CT, DPHC2001, DCT2001, DCM4300; DPH208R; UVC254; DAF80MIN, DAF80PW, DAF80PWM; HWA4204HA; PM9100; VC9200; TQ8800; VB8201HA; DTH3009DL, DAF2005MDL, HWA2005DL
12710 0	ASFT KIT	DOWNLOAD SOFTWARE & CABLE FOR: PIRT9811; DT8852; DSM8922; CDM77535; DCFM8906, DCFM8901; WDCFM8912; DM8205, DM8215, DM8230, DM8200, DM8252, DM8252RS
<b>AC ADAPTERS</b>		
10166 7	AC314	ADAPTER FOR: DTH314DL
21014 7	Z110 ADAPTER	ADAPTER FOR: DT8852; DM8205, DM8215, DM8230, DM8200, DM8252, DM8252RS.
<b>BLACK LIGHT</b>		
01293 2	BL6	BATTERY OPERATED BLACK LIGHT
<b>INSTRUMENT CASE</b>		
01264 2	C16	CASE FOR: DLAF8000, DLAF8000C
<b>TOOL BAG</b>		
01319 9	81001	ZIP-TOP TOOL AND METER BAG, 16 IN. WIDE
<b>CALIBRATION SALTS</b>		
16120 3	HR33LJ	CALIBRATION SALT FOR DTH314DL
16130 2	HR75LJ	CALIBRATION SALT FOR DTH314DL
<b>REPLACEMENT BATTERIES</b>		
72005 9	B1300	"D" ALKALINE BATTERIES - MINIMUM ORDER 12
72015 8	B1400	"C" ALKALINE BATTERIES - MINIMUM ORDER 12
72025 7	B1500	"AA" CELL ALKALINE BATTERIES - MINIMUM ORDER 12
72045 5	B1604	"9V" ALKALINE BATTERIES - MINIMUM ORDER 12
72035 6	B2400	"AAA" CELL ALKALINE BATTERIES - MINIMUM ORDER 12
72155 1	CR2032	REPLACEMENT BATTERY FOR: PTH8708; SAMJR995 - MIN ORDER 12
72125 4	LR44	REPLACEMENT BATTERY FOR: HDT303K; CT500AV & MOST STEM THERMOMETERS - MIN ORDER 12

#### OPTIONAL PROBES FOR DCS200 & DCS300

UPC	NO.	LENGTH	TYPE	DIAMETER
01386 1	P230-1	3.3 ft. (1m)	Obedient w/camera/LED	Diam. 12mm
01387 8	P230-1X	3.3 ft. (1m)	Obedient extension	Diam. 12mm
01390 9	P230-2X	6.6 ft. (2m)	Obedient extension	Diam. 12mm
01391 5	P230-3X	9.8 ft. (3m)	Obedient extension	Diam. 12mm

#### OPTIONAL PROBES FOR DCS400

UPC	NO.	LENGTH	TYPE	DIAMETER
01393 9	P400-1	3.3 ft. (1m)	Obedient w/camera/LED	Diam. 17mm
01399 1	P400-95	3.3 ft. (1m)	Obedient w/camera/LED	Diam. 9.5mm
01394 6	P400-1X	2.9 ft. (.9m)	Obedient extension	Diam. 17mm

#### ARTICULATION PROBES FOR DCS1800 & DCS1600

UPC	NO.	LENGTH	TYPE	DIAMETER
01419 6	P18ART-1SM	1m (3.3ft.)	Soft Metal Probe	5.5mm
01418 9	P16ART-1SM	1m (3.3ft.)	Soft Metal Probe	5.5mm

#### OPTIONAL PROBES FOR DCS1600 & DCS1800

UPC	NO.	LENGTH	TYPE	DIAMETER
01379 3	P1618-1SR	3.3 ft. (1m)	Obedient	Diam. 5.5mm
01380 9	P1618-2SR	6.6 ft. (2m)	Obedient	Diam. 5.5mm
01381 6	P1618-3SR	9.8 ft. (3m)	Obedient	Diam. 5.5mm
01382 3	P1618-1SM	3.3 ft. (1m)	Soft Metal	Diam. 5.5mm
01383 0	P1618-3SM	9.8 ft. (3m)	Soft Metal	Diam. 5.5mm
01357 1	P1618-5SM	16.4 ft. (5m)	Soft Metal	Diam. 5.5mm
01384 7	P1618-10SM	32.8 ft. (10m)	Soft Metal	Diam. 5.5mm
01385 4	P1618-30SM	98.4 ft (30m)	Soft Metal	Diam. 5.5mm
01396 0	P1839	2.5 ft. (.075m)	Obedient	Diam. 3.9mm

#### OPTIONAL ACCESSORIES FOR DCS1600 & DCS1800

01395 3	DCS1618M	Click N' Measure software and measuring tip
01370 0	PM003	Set of 3 mirrors: 70°, 90°, 110°



# Instruments Reference

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