**AR814 Sound Level Meter**

**Features**

Sound level meters measure sound pressure level and are commonly used in noise pollution studies for the quantification of almost any noise, but especially for industrial, environmental and aircraft noise.

**Specifications**

|  |  |
| --- | --- |
| **Microphone** | **1/2 inch Condenser Microphone** |
| **Measuring Range** | **30~130 dBA**  **35~130 dBC** |
| **Accuracy** | **±1.5dB** |
| **Frequency Weighting** | **A & C** |
| **Frequency Range** | **31.5Hz~8.5KHz** |
| **Sampling Rate** | **2 times / sec** |
| **Level Range Bar Graph** | **√** |
| **Range Selection** | **4 modes** |
| **Range Over Indication** | **√** |
| **Battery Indication** | **√** |
| **Digit & Resolution** | **5 digits & 0.1 dB** |
| **Time Weighting** | **Fast / SLow** |
| **Backlight Display** | **√** |
| **Max Hold Function** | **√** |
| **Auto Power Off** | **√** |
| **Standard** | **According to IEC651 TYPE 2 & ANSIS1.4 TYPE 2** |
| **AC & DC Signal Output** | **√** |

**AR816 Anemometer**

**Features**

An anemometer is a device used for measuring wind speed, and is a common weather station instrument. "Anemos", meaning wind, and is used to describe any air speed measurement instrument used in meteorology or aerodynamics.

Anemometers are widely used in different fields, such as heating, ventilation, air conditioning, environmental protection, energy conservation monitoring, meteorology, agriculture, refrigerating, drying, labor health survey, clean workshop, chemical fiber and textile, various aspects of wind laboratory, wide range of purposes.

**Specifications**

|  |  |
| --- | --- |
| **Wind Speed Measuring Range** | **0~30m/s** |
| **Wind Speed**  **Accuracy** | **±5%** |
| **Wind Speed Units** | **m/s,Ft/min,Knots,km/h,Mph** |
| **Wind Speed**  **Resolution** | **0.1m/s** |
| **Range Bar Graph** | **√** |
| **Current/Average**  **Measuring** | **√** |
| **Max & Min Measuring** | **Max. Only** |
| **Temp. Measuring**  **Range** | **-10°C~45°C** |
| **Temp. Resolution** | **0.2°C** |
| **℃ / ℉Selection** | **√** |
| **Backlight Display** | **√** |
| **Auto/Manual Power Off** | **√** |
| **Battery Indication** | **---** |
| **Data Hold** | **√** |
| **Wind chill indicaton** | **√** |

**AR824 Sound Level Meter**

**Features**

Sound level meters measure sound pressure level and are commonly used in noise pollution studies for the quantification of almost any noise, but especially for industrial, environmental and aircraft noise.

**Specifications**

|  |  |
| --- | --- |
| **Microphone** | **1/2 inch Condenser Microphone** |
| **Measuring Range** | **30~130 dBA**  **35~130 dBC** |
| **Accuracy** | **±1.5dB** |
| **Frequency Weighting** | **A & C** |
| **Frequency Range** | **31.5Hz~8.5KHz** |
| **Sampling Rate** | **2 times / sec** |
| **Level Range Bar Graph** | **√** |
| **Range Selection** | **4 modes** |
| **Range Over Indication** | **√** |
| **Battery Indication** | **√** |
| **Digit & Resolution** | **5 digits & 0.1 dB** |
| **Time Weighting** | **Fast / SLow** |
| **Backlight Display** | **√** |
| **Max Hold Function** | **√** |
| **Auto Power Off** | **√** |
| **Standard** | **According to IEC651 TYPE 2 & ANSIS1.4 TYPE 2** |
| **AC & DC Signal Output** | **√** |

**AR826 Anemometer**

**Features**

An anemometer is a device used for measuring wind speed, and is a common weather station instrument. "Anemos", meaning wind, and is used to describe any air speed measurement instrument used in meteorology or aerodynamics.

Anemometers are widely used in different fields, such as heating, ventilation, air conditioning, environmental protection, energy conservation monitoring, meteorology, agriculture, refrigerating, drying, labor health survey, clean workshop, chemical fiber and textile, various aspects of wind laboratory, wide range of purposes.

**Specifications**

|  |  |
| --- | --- |
| **Wind Speed Measuring Range** | **0~45m/s** |
| **Wind Speed**  **Accuracy** | **±3% ±0.1 digit** |
| **Wind Speed Units** | **m/s,Ft/min,Knots,km/h,Mph** |
| **Wind Speed**  **Resolution** | **0.1m/s** |
| **Range Bar Graph** | **√** |
| **Current/Average**  **Measuring** | **√** |
| **Max & Min Measuring** | **√** |
| **Temp. Measuring**  **Range** | **---** |
| **Temp. Resolution** | **---** |
| **℃ / ℉Selection** | **---** |
| **Backlight Display** | **√** |
| **Auto/Manual Power Off** | **√** |
| **Battery Indication** | **√** |
| **Data Hold** | **√** |
| **Wind chill indicaton** | **---** |

**AR827 Humidity Temperature Meter**

**Features**

Temperature Humidity Meter is an instrument used for measuring the moisture content in the atmosphere. Humidity measurement instruments usually rely on measurements of some other quantity such as temperature, pressure, mass or a mechanical or electrical change in a substance as moisture is absorbed. By calibration and calculation, these measured quantities can lead to a measurement of humidity. Modern electronic devices use changes in electrical capacitance or resistance to measure humidity differences.

**Specifications**

|  |  |
| --- | --- |
| **Temperature Measuring**  **Range** | **-10℃~50℃** |
| **Humidity Measuring Range** | **10%RH~99%RH** |
| **Accuracy of Temperature** | **±1.5°C** |
| **Accuracy of Humidity** | **±3%(41~80%)±5%(10%~40%)** |
| **℃/℉Selection** | **√** |
| **Auto /Manual Power Off** | **√** |
| **Low Battery Indication** | **√** |
| **Data Hold Function** | **√** |
| **Temperature Resolution** | **0.1°C / 0.1°F** |
| **Humidity Resolution** | **0.1%RH** |
| **Sampling Rate** | **2 times/sec** |
| **Backlight Display** | **√** |
| **Max & Min Measuring** | **---** |
| **External power supply** | **√** |

**AR836 Anemometer**

**Features**

An anemometer is a device used for measuring wind speed, and is a common weather station instrument. "Anemos", meaning wind, and is used to describe any air speed measurement instrument used in meteorology or aerodynamics.

Anemometers are widely used in different fields, such as heating, ventilation, air conditioning, environmental protection, energy conservation monitoring, meteorology, agriculture, refrigerating, drying, labor health survey, clean workshop, chemical fiber and textile, various aspects of wind laboratory, wide range of purposes.

**Specifications**

|  |  |
| --- | --- |
| **Wind Speed Measuring Range** | **0~45m/s** |
| **Wind Speed**  **Accuracy** | **±3% ±0.1 digit** |
| **Wind Speed Units** | **m/s,Ft/min,Knots,km/h,Mph** |
| **Wind Speed**  **Resolution** | **0.1m/s** |
| **Range Bar Graph** | **√** |
| **Current/Average**  **Measuring** | **√** |
| **Max & Min Measuring** | **√** |
| **Temp. Measuring**  **Range** | **0°C~45°C** |
| **Temp. Resolution** | **0.2°C** |
| **℃ / ℉Selection** | **√** |
| **Backlight Display** | **√** |
| **Auto/Manual Power Off** | **√** |
| **Battery Indication** | **√** |
| **Data Hold** | **√** |
| **Wind chill indication** | **--** |

**AR837 Humidity Temperature Meter**

**Features**

Temperature Humidity Meter is an instrument used for measuring the moisture content in the atmosphere. Humidity measurement instruments usually rely on measurements of some other quantity such as temperature, pressure, mass or a mechanical or electrical change in a substance as moisture is absorbed. By calibration and calculation, these measured quantities can lead to a measurement of humidity. Modern electronic devices use changes in electrical capacitance or resistance to measure humidity differences.

**Specifications**

|  |  |
| --- | --- |
| **Temperature Measuring**  **Range** | **-10℃~50℃** |
| **Humidity Measuring Range** | **5%RH~98%RH** |
| **Accuracy of Temperature** | **±1.5°C** |
| **Accuracy of Humidity** | **±3%(41~80%)±5%(5%~40%)** |
| **℃/℉Selection** | **√** |
| **Auto /Manual Power Off** | **√** |
| **Low Battery Indication** | **√** |
| **Data Hold Function** | **√** |
| **Temperature Resolution** | **0.1°C / 0.1°F** |
| **Humidity Resolution** | **0.1%RH** |
| **Sampling Rate** | **2.5 times/sec** |
| **Backlight Display** | **√** |
| **Max & Min Measuring** | **√** |
| **External power supply** | **√** |

**AR847 Humidity Temperature Meter**

**Features**

Temperature Humidity Meter is an instrument used for measuring the moisture content in the atmosphere. Humidity measurement instruments usually rely on measurements of some other quantity such as temperature, pressure, mass or a mechanical or electrical change in a substance as moisture is absorbed. By calibration and calculation, these measured quantities can lead to a measurement of humidity. Modern electronic devices use changes in electrical capacitance or resistance to measure humidity differences

**Specifications**

|  |  |
| --- | --- |
| **Temperature Measuring**  **Range** | **-10°C~50°C**  **K-TYPE : -20°C~1000°C** |
| **Humidity Measuring Range** | **5%RH~98%RH** |
| **Accuracy of Temperature** | **±1.5°C** |
| **Accuracy of Humidity** | **±3%(41~80%)±5%(10%~40%)** |
| **℃/℉Selection** | **√** |
| **Auto /Manual Power Off** | **√** |
| **Low Battery Indication** | **√** |
| **Data Hold Function** | **√** |
| **Temperature Resolution** | **0.1°C / K-TYPE : 1°C** |
| **Humidity Resolution** | **0.1%RH** |
| **Sampling Rate** | **2.5 times/sec** |
| **Backlight Display** | **√** |
| **Max & Min Measuring** | **√** |
| **External power supply** | **√** |

**AR925 Digital Tachometer**

**Features**

A tachometer (RPM gauge) is an instrument measuring the rotation speed of a shaft or disk, as in a motor or other machine. The device usually displays the revolutions per minute (RPM) on a digital displays.

**Specifications**

|  |  |
| --- | --- |
| **Measuring Range** | **R otate : 0.5~19999RPM**  **Linear : 0.05~19999.9m/min**  **0.2~6560 ft/min** |
| **Rotating Speed**  **Resolution** | **0.1RPM (2.5~999.9RPM)**  **1RPM (Over 1000RPM)** |
| **Linear Rolling Speed**  **Resolution** | **0.01 m/min (0.05~99.99m/min)**  **0.1 m/min (Over 100 m/min)**  **0.1 ft (0.1~999.9 ft/min)**  **1 ft/min (Over 100 ft/min)** |
| **Measuring Distance** | **---** |
| **Accuracy** | **±(0.05%+1 digits )** |
| **Sampling Time** | **0.8 sec(Over 60RPM)** |
| **Max / Min Measuring** | **√** |
| **Data Storage** | **√** |
| **Memories Clear** | **√** |
| **Range Selection** | **Auto** |
| **Battery Indication** | **√** |

**AR926 Digital Tachometer**

**Features**

A tachometer (RPM gauge) is an instrument measuring the rotation speed of a shaft or disk, as in a motor or other machine. The device usually displays the revolutions per minute (RPM) on a digital displays.

**Specifications**

|  |  |
| --- | --- |
| **Measuring Range** | **2.5~99999RPM** |
| **Rotating Speed**  **Resolution** | **0.1RPM (2.5~999.9RPM)**  **1RPM (Over 1000RPM)** |
| **Linear Rolling Speed**  **Resolution** | **---** |
| **Measuring Distance** | **50mm~500mm** |
| **Accuracy** | **±(0.05%+1 digits )** |
| **Sampling Time** | **0.8 sec(Over 60RPM)** |
| **Max / Min Measuring** | **√** |
| **Data Storage** | **√** |
| **Memories Clear** | **√** |
| **Range Selection** | **Auto** |
| **Battery Indication** | **√** |

**AR930 Film/Coating Thickness Gauge**

**Features**

**Coating thickness gauge is used to measure the coating wall of metals and other material. It uses digital process technology, accurate, and light.**

**Specifications**

|  |  |
| --- | --- |
| **Measuring range** | **0~1800μm** |
| **Measuring Principle** | **Magnetic Induction** |
| **Accuracy** | **±(3%±1μm)** |
| **Resolution** | **0.1μm / 1μm** |
| **Backlight Display** | **√** |
| **Battery Indication** | **√** |
| **Zero / Two Poin / Basic correction** | **√** |
| **Alarm Buzzer** | **√** |
| **Single / Continuous / Standard**  **Deviation Measurement** | **√** |
| **Data Storage & Recall** | **√** |
| **Data Storage** | **15 groups** |
| **Max & Min Measuring** | **√** |
| **AVG & DFR Measuring** | **√** |
| **Metric / Imperial Switchable** | **√** |
| **Data Analysis** | **√** |
| **Operating Condition** | **0℃~40℃(without strong magnetic)** |

**AR971 Moisture Meter**

**Features**

Moisture meters are used to measure the percentage of water in a given substance. This information can be used to determine if the material is ready for use, unexpectedly wet or dry, or otherwise in need of further inspection. Wood and paper products are very sensitive to their moisture content.

**Specifications**

|  |  |
| --- | --- |
| **Measuring Range** | **2%~70%** |
| **Resolution** | **0.5%** |
| **Symbol & UnitDisplay** | **√** |
| **Auto Power Off** | **√** |
| **Operating Temperature** | **0°C~40°C (32°F~104°F)** |
| **Density Modes** | **4 modes** |
| **Data Hold** | **√** |
| **Battery Indication** | **√** |

**AS63A Portable Vibration Meter**

**Features**

Vibration meter (also called vibration severity) uses Piezoelectric Acceleration Transducer transfer the vibration signal in to electrical signal, analyze the input signals, and show the Acceleration, speed, shift of the vibration. It is widely used in the lines of Power, petrochemical, machinery manufacturing, metallurgy, vehicles, etc.

**Specifications**

|  |  |
| --- | --- |
| **Measuring Principle** | **Piezoelectric Ceramic Accelerometer**  **(shear-type)** |
| **Acceleration Range** | **0.1~199.9m/s2** |
| **Velocity Range** | **0.1~199.9m/s** |
| **Displacement Range** | **0.001~1.999mm** |
| **Acceleration Frequency**  **Range** | **10Hz~1KHz (LO)**  **1KHz~15KHz (HI)** |
| **Velocity Frequency Range** | **10Hz~1KHz** |
| **Displacement Frequency**  **Range** | **10Hz~1KHz** |
| **Accuracy** | **±5%H ±2 digits** |
| **Signal Output** | **AC output 2V peak ( Display full scale )** |
| **Max Hold Function** | **-----** |
| **Temperature**  **Measurement** | **-----** |
| **℃/℉Selection** | **-----** |

**AS63B Detached Probe Type Vibration Meter**

**Features**

Vibration meter(also called vibration severity) uses Piezoelectric Acceleration Transducer transfer the vibration signal in to electrical signal, analyze the input signals, and show the Acceleration, speed, shift of the vibration. It is widely used in the lines of Pofrewer, petrochemical, machinery manufacturing, metallurgy, vehicles, etc. 

**Specifications**

|  |  |
| --- | --- |
| **Measuring Principle** | **Piezoelectric Ceramic Accelerometer**  **(shear-type)** |
| **Acceleration Range** | **0.1~199.9m/s2** |
| **Velocity Range** | **0.1~199.9m/s** |
| **Displacement Range** | **0.001~1.999mm** |
| **Acceleration Frequency**  **Range** | **10Hz~1KHz (LO)**  **1KHz~15KHz (HI)** |
| **Velocity Frequency Range** | **10Hz~1KHz** |
| **Displacement Frequency**  **Range** | **10Hz~1KHz** |
| **Accuracy** | **±5%H ±2digits** |
| **Temperature**  **Measurement** | **√** |
| **Max Reading Hold**  **Function** | **√** |
| **℃/℉Selection** | **√** |

**AS63D Pen Type Vibration Meter**

**Features**

Vibration meter(also called vibration severity) uses Piezoelectric Acceleration Transducer transfer the vibration signal in to electrical signal, analyze the input signals, and show the Acceleration, speed, shift of the vibration. It is widely used in the lines of Power, petrochemical, machinery manufacturing, metallurgy, vehicles, etc.

**Specifications**

|  |  |
| --- | --- |
| **Measuring Princple** | **Piezoelectric Ceramic Accelerometer**  **(shear-type)** |
| **Acceleration Range** | **0.1~199.9m/s2** |
| **Velocity Range** | **0.1~199.9m/s** |
| **Displacement Range** | **0.001~1.999mm** |
| **Acceleration Frequency**  **Range** | **10Hz~1KHz (LO)**  **1KHz~15KHz (HI)** |
| **Velocity Frequency Range** | **10Hz~1KHz** |
| **Displacement Frequency**  **Range** | **10Hz~1KHz** |
| **Accuracy** | **±10%H ±2 digits** |
| **Signal Output** | **------** |
| **Max Hold Function** | **------** |
| **Temperature**  **Measurement** | **------** |
| **℃/℉Selection** | **------** |

**AS530 Infrared Thermometer**

**Features**

The most basic design consists of a lens to focus the infrared (ir) energy on to a detector, which converts the energy to an electrical signal that can be displayed in units of temperature after being compensated for ambient temperature variation. 

**Specifications**

|  |  |
| --- | --- |
| **Measuring Range** | **-32℃~550℃(-26℉~1022℉)** |
| **Accuracy** | **±2% or 2℃** |
| **Distance Spot Ratio** | **12:1** |
| **Emissivity** | **0.95 pre-set** |
| **Resolution** | **0.1℃or 0.1℉** |
| **Wavelength & Response**  **Time** | **(8-14)um&500ms** |
| **Repeatability** | **±1% or ±1℃** |
| **℃/℉Selection** | **√** |
| **Data Hold Function** | **√** |
| **Laser Target Pointer Selection** | **√** |
| **Backlight Display** | **√** |
| **Auto Power Off** | **√** |

**AS803 Lux Meter**

**Features**

Lux meter is widely used in electro-optical sources, research teaching, metallurgy building, industry inspection as well as agriculture researching and illumination control.

**Specifications**

|  |  |
| --- | --- |
| **Measuring Range** | **1~200.000lux** |
| **Accuracy** | **±5%rdg ±10** |
| **Unit Selection** | **lux / FC** |
| **Measure Selection** | **Auto** |
| **Repeatability** | **±2%** |
| **Sampling Frequency** | **2 time/sec** |
| **Resolution** | **1lux 0.1°C** |
| **Data Hold Function** | **√** |
| **Backlight Display** | **√** |
| **Max & Min Measuring** | **√** |
| **Auto Power Off** | **√** |
| **Temp. Measuring** | **√** |
| **Operation Condition** | **0~40℃** |

**AS804 Sound Level Meter**

**Features**

**Sound level meters measure sound pressure level and are commonly used in noise pollution studies for the quantification of almost any noise, but especially for industrial, environmental and aircraft noise.**

**Specifications**

|  |  |
| --- | --- |
| **Microphone** | **1/2 inch Condenser Microphone** |
| **Measuring Leve** | **30~130 dBA** |
| **Accuracy** | **±1.5dB** |
| **Frequency Range** | **31.5HZ~8.5KHZ** |
| **Standard** | **According to IEC651 TYPE 2 & ANSIS1.4 TYPE 2** |
| **Frequency Weighting** | **A** |
| **Level Range Bar Graph** | **---** |
| **Range Selection** | **---** |
| **Range Over Indication** | **---** |
| **Battery Indication** | **√** |
| **Backlight Display** | **√** |
| **Max & Min Hold Function** | **√** |
| **Digit & Resolution** | **4 digits & 0.1dB** |
| **Time Weighting** | **---** |
| **Auto Power Off** | **√** |
| **External power supply** | **√** |
| **Sampling Frequency** | **2 times / sec** |

**AS817 Humidity Temperature Meter**

**Features**

Quickly and conveniently take accurate humidity and temperature readings. It is an ideal humidity & temperature meter instrument with scores of practical applications for laboratorial, industrial, engineer and professional use.

**Specifications**

|  |  |
| --- | --- |
| **Temperature Measuring**  **Range** | **-10℃~50℃** |
| **Humidity Measuring Range** | **5%RH~98%RH** |
| **Accuracy of Temperature** | **±1.5℃** |
| **Accuracy of Humidity** | **±5%RH(5~40%)±4%(41%~80%)** |
| **℃/℉Selection** | **√** |
| **Auto /Manual Power Off** | **√** |
| **Battery Indication** | **√** |
| **Temp. Resolution** | **0.1℃/0.1%RH** |
| **Humidity Resolution** | **0.1%RH** |
| **Max/Min Measurement** | **√** |
| **K-type Thermocouple**  **Measuring** | **---** |
| **Sampling Frequency** | **2.5 times / sec** |

**AS824 Sound Level Meter**

**Features**

Sound level meters measure sound pressure level and are commonly used in noise pollution studies for the quantification of almost any noise, but especially for industrial, environmental and aircraft noise.

**Specifications**

|  |  |
| --- | --- |
| **Microphone** | **1/2 inch Condenser Microphone** |
| **Measuring Leve** | **30~130 dBA**  **35~130 dBC** |
| **Accuracy** | **±1.5dB** |
| **Frequency Range** | **31.5HZ~8.5KHZ** |
| **Standard** | **According to IEC651 TYPE 2 & ANSIS1.4 TYPE 2** |
| **Frequency Weighting** | **A & C** |
| **Level Range Bar Graph** | **√** |
| **Range Selection** | **4 modes** |
| **Range Over Indication** | **√** |
| **Battery Indication** | **√** |
| **Backlight Display** | **√** |
| **Max & Min Hold Function** | **√** |
| **Digit & Resolution** | **4 digits & 0.1dB** |
| **Time Weighting** | **Fast / SLow** |
| **Auto Power Off** | **√** |
| **External power supply** | **√** |
| **Sampling Frequency** | **2 times / sec** |

**AS837 Humidity Temperature Meter**

**Features**

Quickly and conveniently take accurate humidity and temperature readings. It is an ideal humidity&temperature meter instrument with scores of pratical applications for laboratorial,industrial, engineer and professional use.

**Specifications**

|  |  |
| --- | --- |
| **Temperature Measuring**  **Range** | **-10℃~50℃** |
| **Humidity Measuring Range** | **5%RH~98%RH** |
| **Accuracy of Temperature** | **±1.5℃** |
| **Accuracy of Humidity** | **±5%RH(5~40%)±3%(41%~80%)** |
| **℃/℉Selection** | **√** |
| **Auto /Manual Power Off** | **√** |
| **Battery Indication** | **√** |
| **Temp. Resolution** | **0.1℃/0.1%RH** |
| **Humidity Resolution** | **0.1%RH** |
| **Max/Min Measurement** | **√** |
| **K-type Thermocouple**  **Measuring** | **---** |
| **Sampling Frequency** | **2.5 times / sec** |

**AS842A Infrared Thermometer**

**Features**

The most basic design consists of a lens to focus the infrared (IR) energy on to a detector, which converts the energy to an electrical signal that can be displayed in units of temperature after being compensated for ambient temperature variation. Infrared Thermometers allow users to measure temperature in applications where conventional sensors cannot be employed. Specifically, in cases dealing with moving objects ( i.e., rollers, moving machinery, or a conveyor belt), or where non-contact measurements are required because of contamination or hazardous reasons (such as high voltage), where distances are too great, or where the temperatures to be measured are too high for thermocouples or other contact sensors. 

**Specifications**

|  |  |
| --- | --- |
| **Temperature Range** | **-50℃~600℃(-58℉~1112℉)** |
| **Accuracy** | **±2%or±2℃** |
| **Distance Spot Ratio** | **12:1** |
| **Emissivity** | **0.10~1.00 adjustable** |
| **Resolution** | **0.1℃or 0.1℉(<1000℃)** |
| **Wavelength & Response**  **Time** | **(8-14)um&500ms** |
| **Repeatability** | **±1%or±1℃** |
| **℃/℉Selection** | **√** |
| **Data Hold Function** | **√** |
| **Laser Target Pointer** | **√** |
| **Backlight Display** | **√** |
| **Auto Power Off** | **√** |

**AS847 Humidity Temperature Meter**

**Features**

Quickly and conveniently take accurate humidity and temperature readings. It is an ideal humidity & temperature meter instrument with scores of practical applications for laboratorial, industrial, engineer and professional use.

**Specifications**

|  |  |
| --- | --- |
| **Temperature Measuring**  **Range** | **10°C~50°C**  **K-TYPE：-20°C~1000°C** |
| **Humidity Measuring Range** | **5%RH~98%RH** |
| **Accuracy of Temperature** | **±1.5℃** |
| **Accuracy of Humidity** | **±5%RH(5~40%)±3%(41%~80%)** |
| **℃/℉Selection** | **√** |
| **Auto /Manual Power Off** | **√** |
| **Battery Indication** | **√** |
| **Temp. Resolution** | **0.1°C / K-TYPE : 1°C** |
| **Humidity Resolution** | **0.1%RH** |
| **Max/Min Measurement** | **√** |
| **K-type Thermocouple**  **Measuring** | **√** |
| **Sampling Frequency** | **2.5 times / sec** |

**AS860 Ultrasonic Thickness Gauge**

[**Features**](http://en.smartsensor.cn/manager/index.jsp)

[**The usage of an ultrasonic thickness gauge for non-destructive testing to check material properties such as thickness measurement, is now regularly utilized in all areas of industrial measurements. The ability to gauge thickness measurement without requiring access to both sides of the test piece, offers this technology a multitude of possible applications.**](http://en.smartsensor.cn/manager/index.jsp)

[**Specifications**](http://en.smartsensor.cn/manager/index.jsp)

|  |  |
| --- | --- |
| [**Measuring Range**](http://en.smartsensor.cn/manager/index.jsp) | [**1.2~225mm**](http://en.smartsensor.cn/manager/index.jsp) |
| [**Accuracy**](http://en.smartsensor.cn/manager/index.jsp) | [**±(1%H+0.1)mm**](http://en.smartsensor.cn/manager/index.jsp) |
| [**Resolution**](http://en.smartsensor.cn/manager/index.jsp) | [**0.1mm**](http://en.smartsensor.cn/manager/index.jsp) |
| [**Sound Velocity Range**](http://en.smartsensor.cn/manager/index.jsp) | [**1000~9999m/s**](http://en.smartsensor.cn/manager/index.jsp) |
| [**Frequency**](http://en.smartsensor.cn/manager/index.jsp) | [**5MHz**](http://en.smartsensor.cn/manager/index.jsp) |
| [**Operation Temperature**](http://en.smartsensor.cn/manager/index.jsp) | [**0°C~40°C**](http://en.smartsensor.cn/manager/index.jsp) |
| [**Minimum limit for tube**](http://en.smartsensor.cn/manager/index.jsp)  [**measuring**](http://en.smartsensor.cn/manager/index.jsp) | [**Ф20\*3mm(steel)**](http://en.smartsensor.cn/manager/index.jsp) |
| **Auto Zero Calibration** | [**√**](http://en.smartsensor.cn/manager/index.jsp) |
| **Auto linear compensation** | [**√**](http://en.smartsensor.cn/manager/index.jsp) |
| **Coupling Indicator** | [**√**](http://en.smartsensor.cn/manager/index.jsp) |
| **Metric / Imperial Switchable** | [**---**](http://en.smartsensor.cn/manager/index.jsp) |
| **Battery Indication** | [**√**](http://en.smartsensor.cn/manager/index.jsp) |
| [**Auto Power Off:**](http://en.smartsensor.cn/manager/index.jsp) | [**√**](http://en.smartsensor.cn/manager/index.jsp) |

**AS862A Infrared Thermometer**

**Features**

The most basic design consists of a lens to focus the infrared (IR) energy on to a detector, which converts the energy to an electrical signal that can be displayed in units of temperature after being compensated for ambient temperature variation. Infrared Thermometers allow users to measure temperature in applications where conventional sensors cannot be employed. Specifically, in cases dealing with moving objects ( i.e., rollers, moving machinery, or a conveyor belt), or where non-contact measurements are required because of contamination or hazardous reasons (such as high voltage), where distances are too great, or where the temperatures to be measured are too high for thermocouples or other contact sensors.

**Specifications**

|  |  |
| --- | --- |
| **Temperature Range** | **-50℃~900℃(-58℉~1652℉)** |
| **Accuracy** | **±2%or±2℃** |
| **Distance Spot Ratio** | **12:1** |
| **Emissivity** | **0.10~1.00 adjustable** |
| **Resolution** | **0.1℃or 0.1℉(<1000℃)** |
| **Wavelength & Response**  **Time** | **(8-14)um&500ms** |
| **Repeatability** | **±1%or±1℃** |
| **℃/℉Selection** | **√** |
| **Data Hold Function** | **√** |
| **Laser Target Pointer** | **√** |
| **Backlight Display** | **√** |
| **Auto Power Off** | **√** |

**AS981 Moisture Meter**

**Features**

Compared with the traditional method, microwave measurement of moisture has a fast and accurate advantages.

Apply on chemical industry, building materials, wood, paper, food, etc. The meter can also be used in the laboratory as the determination of moisture content.

**Specifications**

|  |  |
| --- | --- |
| **Measurement Range** | **2%~70%** |
| **Resolution** | **0.5%** |
| **Accuracy** | **±(1%RH+0.5)** |
| **Operation**  **Condition** | **0°C~40°C** |
| **Density Modes** | **4 Modes** |
| **Low Battery Indication** | **√** |

**AS8902 Combustible Gas Detector**

**Features**

A gas detector is a device that detects the presence of gases in an area, often as part of a safety system. This type of equipment is used to detect a gas leak and interface with a control system so a process can be automatically shut down. A gas detector can sound an alarm to operators in the area where the leak is occurring, giving them the opportunity to leave. This type of device is important because there are many gases that can be harmful to organic life.

Gas detectors can be used to detect combustible, flammable and toxic gases, and oxygen depletion, etc. This type of device is widely used in industry and can be found in locations, such as on oil rigs, to monitor manufacture processes and emerging technologies such as photovoltaic. They may also be used in firefighting.

While many of the standard gas detector units were originally fabricated to detect one gas, modern multifunctional or multi-gas devices are capable of detecting several gases at once. Some detectors may be utilized as individual units to monitor small workspace areas, or units can be combined or linked together to create a protection system.

**Specifications**

|  |  |
| --- | --- |
| **Gas Type** | **Combustable**  **Gas** |
| **Measuring range** | **0~100% LEL** |
| **TResolution** | **1%** |
| **Measuring Principle** | **Electrochemical principle, life for 2 years** |
| **Low / High Alarm** | **√** |
| **Alarm Setting** | **√** |
| **Alarm** | **Sound, Light Alarm. Adjustable Alarm values, Alarm sound up to 80 db.** |
| **Operating temperature** | **-10~50℃** |
| **Operating humidity** | **15%-95%RH (Standard)** |