**Professional benchtop conductivity meter BC3020**

The Professional Conductivity Bench Meter is a dedicated stationary meter specially designed for laboratory and educational use. It is able to link with a PC for online data logging, or a user can save data in its memory with the date and time and download the data later to a PC. For enhanced accuracy, the meter can calibrate up to 5 points at 1 point on each of its range. The meter is complete with an electrode stand and a PC communication kit.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model:** | **BC3020 Professional Conductivity Bench meter** | | | | |
| Range | 0- 19.99µS | 0 - 199.9µS | 0 -1999 µS | 0 -19.99 mS | 0 - 199.9 mS |
| Display Resolution | 0.01 µS | 0.1 µS | 1 µS | 0.01 mS | 0.1 mS |
| Accuracy | ± 1% F.S. + 1digit | | | | |
| Calibration | 5 point with 1 point on each range | | | | |
| TDS factor | Adjustable 0.3 to 1.00 | | | | |
| Temperature compensation | Automatic 0 to 80°C | | | | |
| Memory | 99 data with real time clock | | | | |
| Operating Temperature: | 5 to 40°C | | | | |
| Storage Temperature: | -20 to 60°C | | | | |
| Operating humidity: | Up to 95% relative humidity | | | | |
| Meter Size: | 217 x 168 x 585mm | | | | |
| Weight: | 2.1 kg | | | | |

**Professional benchtop pH meter BP3001**

* Large LCD with Multiple Display
* Display of pH, temperature and time simultaneously
* Hold Display function
* Automatically lock reading when a stable reading is established.
* Multi point calibration
* Automatic buffer recognition with built in standards: ISO - pH7.00, 4.01, 10.01, NIST - pH6.68, 4.01, 9.18
* Custom - Manual set to any buffer standard.
* Up to 5 points calibration

|  |  |  |  |
| --- | --- | --- | --- |
|  | **pH** | **mV** | **Temperature** |
| Range: | 0 to 14 pH | ± 1999 mV | 0 to 90°C |
| Display Resolution: | 0.01 pH | 0.1-199.9 mV  1-1999 mV | 0.1°C |
| Accuracy : | ± 0.02 pH | ±0.2 mV  ±2 mV | ± 0.5°C |
| Calibration: | 5 point selectable | | |
| Operating Voltage: | 9 to 12V DC, min 650mA | | |
| Operating Temperature: | 5 to 40°C | | |
| Storage Temperature: | -20 to 60°C | | |
| Slope recognition: | ±60 mV | | |
| Meter Size: | 217 x 168 x58mm | | |
| Package Weight: | 2.1 kg | | |

**Trans HC3010 – conductivity / tds / temperature meter**

* Auto-range measurement.
* Multi range display of conductivity and TDS.
* Dual conductivity and temperature reading display.
* save upto 99 data in memory with real time clock.
* Show maximum and minimum reading over saved data.
* Stability indicator prompts whenever reading stabilizes.
* automatic temperature compensation.
* supplied with probe and batteries.
* Auto-off feature to save battery life.

|  |  |
| --- | --- |
| PARAMETER | SPECIFICATION |
| **CONDUCTIVITY** | |
| Range: | 0 to 19.99, 199.9, 1999 µS/cm; 19.99, 199.9 mS/cm. |
| Resolution: | 0.1 µS / 0.01 mS |
| Accuracy: |  |
| **TOTAL DISSOLVED SOLIDS (TDS)** | |
| Range: | not available |
| Resolution: |  |
| Accuracy: |  |
| **TEMPERATURE** | |
| Range: | -5 – 105°C |
| Resolution: | 0.1°C |
| Accuracy: | ±1°C |
| **METER** | |
| Dimensions: | 195 x 36 x 40 mm (L x W x H) |
| Weight: | 150g |

**Professional Dissolved Oxygen Meter HD3030**

The Professional Dissolved Oxygen Meter HD3030 is a top range meter for field use. Each meter comes with a 3 meter probe for submerged testing under water in streams, ponds or water tanks. Users can preset salinity compensation and atmospheric compensation to allow direct reading without any conversion tables. It can store up to 99 memory with date and time records. To allow night visibility, there is a backlit display handy. The HD3030 is suitable for aquaculture or industrial users. Advanced Features: Dual DO and temperature display One touch calibration in air Able to set salinity and atmospheric pressure compensation Save up to 99 data in memory with real time clock Make online data logging on PC with optional RS232 kit Able to show maximum and minimum reading over saved data Backlit for night display.

|  |  |  |
| --- | --- | --- |
| **Model:** | **Professional Dissolved Oxygen Meter HD3030** | |
| Range: | 0 - 20 ppm | 0 to 50°C |
| Display Resolution: | 0.01 ppm | 0.1°C |
| Accuracy : | ± 1.5% FS | ± 0.3°C |
| Calibration | Single point calibration in air at 100% | |
| Battery type: | 4 x 1.5V AAA size battery or DC9V adaptor (optional item) | |
| Size: | 195 x 40 x 36mm | |
| Weight: | 150gm | |

**Professional pH meters HP3040 – Trans Instruments**

The Professional HP3040 pH Meter is a portable and highly accurate pH meter. Used in all industries as well as commercial and educational teaching aids, the meter uses a regular BNC connector and accepts a variety of other electrodes for special measurement needs. The meter comes complete in a hard carrying case with calibration with buffer solutions.

**Advanced Features**

* Large LCD Display with Multiple
* Display of pH, temperature and time simultaneously
* Multi point calibration
* Automatic buffer recognition with built in standards: ISO-pH 2.00, 4.01, 2; NIST-6.68, pH 4.01, 9.18
* Custom shop Manual set to any standard buffer.
* Up to 5 points calibration
* Real Time Memory: Able to record up to 99 data memory with date and time
* Online PC link: Able to link to a PC for online display with optional PC kit (sold separately)
* Dual Power Source: Use regular AAA size batteries or alternative AC-DC adapter (sold separately)

**Specifications**

* Range: 0 to 14 pH; 1999 mV ±; 0 to 90 ° C
* Display Resolution: 0.01 pH; 0.1 – 199.9 mV ; 1-1999 mV; 0.1°C
* Accuracy: ± 0.02 pH; ± 0.2 mV; ± 2 mV; ± 0.5 ° C

**Calibration**

* Operating Voltage: 9 to 12V DC, min 650mA
* Operating Temperature: 5 to 40 ° C
* Storage Temperature: -20 to 60 ° C
* Slope recognition: ± 60 mV
* Battery Type: 4 x 1.5 V AAA battery
* Meter Size: 195 x 40 x model
* Package Weight: 180 gm

**Senz mSiemen**

The Senz mSiemen tester is designed to measure high water concentration. It is widely used in industrial boilers, cooling towers and chemical mixing where water concentration is monitored. The Senz mSiemen is rugged and accurate with a display resolution on 0.1mS and can measure up to 19.9mS. With automatic temperature compensation, all readings are displayed at 25ºC for the ease of data comparison. It is also important for accuracy as temperature significantly affects liquid at high concentrations.

**Specifications**

|  |  |
| --- | --- |
| **Model:** | **Senz mSiemen** |
| Range: | 0.1 to 19.9 mS |
| Resolution: | 0.1 mS |
| Accuracy: | ± 2% full scale |
| Calibration Points: | One touch button |
| Battery Type: | 4 x 1.5V button cell (Alkaline A76 or equivalent) |
| Battery Life: | Approx. 100 hours |
| Automatic Shut-off: | Approx. 15 minutes |
| Automatic Temperature Compensation: | 0 to 50°C or 32 to 122°F |
| Operating Temperature: | 0 to 50°C or 32 to 122°F |
| Packaging Dimension Size (LxWxH): | 185mm x 65mm x 25mm |
| Packaging Weight: | Approx. 135gm |
| Product Dimension Size (LxWxH): | 170mm x 32mm x 15mm |
| Product Weight: | Approx. 70gm |

**Senz pH**

The Senz pH tester is specially designed for industrial applications. Its ruggedness surpasses other cheap pH meters. It is splash proof and floats on water. It's portability makes it the most convenient and reliable tester for technicians to perform onsite water checking and testing. Ruggedness Its ruggedness is unmatched by any similar pocket size tester. The uniquely reinforced glass sensor can withstand accidental drops and shocks. One-Touch Calibration On activation, the tester performs a single point calibration at pH buffers 7, 4 or 10. Never missed a calibration point with the endpoint sensing feature. Auto-End Point Eliminates guesswork! The tester automatically senses a stable end-point reading and freezes it for recording. Beep Function The tester beeps at every press of a button and beeps on every completed function and end-point reading.

Specifications

|  |  |
| --- | --- |
| **Model:** | **Senz pH** |
| Range: | 0 to 14 pH |
| Resolution: | 0.1 pH |
| Accuracy: | ± 0.2 pH |
| Calibration : | One touch button |
| Battery Type: | 4 x 1.5V button cell (Alkaline A76 or equivalent) |
| Battery Life: | Approx. 150 hours |
| Automatic Shut-off: | Approx. 15 minutes |
| Operating Temperature: | 0 to 50°C or 32 to 122°F |
| Packaging Dimension Size (LxWxH): | 185mm x 65mm x 25mm |
| Packaging Weight: | Approx. 135gm |
| Product Dimension Size (LxWxH): | 170mm x 32mm x 15mm |
| Product Weight: | Approx. 70gm |
| Applications: | Water processing/ Purifying  Pools & Spa |
| Industries : | School/Education Institutes |

**Senz pH Duo**

The Senz pH Duo is a 2 in 1 tester that measures pH as well as temperature in water. This is especially convenient when both pH and temperature readings are needed. Now you do not need to buy another thermometer and you also save time between tests. The Senz pH Duo is rugged, splash proof and drop shock resistant. The automatic endpoint reading means that a technician will not need to guess the endpoint of a pH reading, thus ensuring accurate records of data all the time.

**Advanced features**

* One-Touch Calibration
* Effortless calibration with a single press of the button. Always calibrate accurately!
* Automatic Endpoint Reading & Calibration
* Eliminates guesswork! The unit automatically locks to an endpoint reading during each test and calibration.

**Beep Function**

Audible beep on every press of a button and a long beep on every completed function and end-point reading.

**Specifications**

|  |  |
| --- | --- |
| **Model:** | **Senz pH Duo** |
| Range: | 0 to 14 pH               0 to 50 °C |
| Resolution: | 0.1 pH                    0.1 °C |
| Accuracy: | ± 0.2 pH                 ± 0.5 °C |
| Calibration Points: | Single point at pH7 |
| Battery Type: | 4 x 1.5V button cell (Alkaline A76 or equivalent) |
| Battery Life: | Approx. 150 hours |
| Automatic Shut-off: | Approx. 15 minutes |
| Operating Temperature: | 0 to 50°C or 32 to 122°F |
| Packaging Dimension Size (LxWxH): | 185mm x 65mm x 25mm |
| Packaging Weight: | Approx. 135gm |
| Product Dimension Size (LxWxH): | 170mm x 32mm x 15mm |
| Product Weight: | Approx. 70gm |

**Senz pH Pro**

The Senz pH Pro is specially designed for high accuracy and ruggedness. It's excellent features are best suited for industries, laboratories and clinics, where accuracy is of utmost importance. The tester is equipped with Automatic Temperature Compensation (ATC) to make accurate calibrations, which enhances accuracy in subsequent tests.

**Ruggedness:** Its ruggedness is unmatched by any similar pocket size tester. The uniquely re-enforced glass sensor can withstand accidental drops and shocks.

**One-Touch 2 Point Calibration:** On activation, the tester recognizes pH buffers at 7, 4, 10 and it performs 2 point calibrations and complete the end-point reading automatically.

**Auto-End Point:** Eliminates guesswork! The tester automatically senses a stable end-point reading and freezes it for recording.

**Beep Function:** The tester beeps at every press of a button and beeps on every completed function and end-point reading.

**Specifications**

|  |  |
| --- | --- |
| **Model:** | **Senz pH Pro** |
| Range: | 0.00 to 14.00 pH |
| Resolution: | 0.01 pH |
| Accuracy: | ± 0.05 pH |
| Calibration: | One-touch for 2 point calibration |
| Battery Type: | 4 x 1.5V button cell (Alkaline A76 or equivalent) |
| Battery Life: | Approx. 150 hours |
| Automatic Shut-off: | Approx. 15 minutes |
| Automatic Temperature Compensation: | 0 to 70°C |
| Operating Temperature: | 0 to 50°C or 32 to 122°F |
| Packaging Dimension Size (LxWxH): | 185mm x 65mm x 25mm |
| Packaging Weight: | Approx. 135gm |
| Product Dimension Size (LxWxH): | 170mm x 32mm x 15mm |
| Product Weight: | Approx. 70gm |

**Senz Redox**

Redox is the measurement of oxidation reduction potential (ORP). The Senz Redox is specially for use in swimming pools and spa to measure thing power of the chlorine disinfectant.

It is also used in the aquarium as an indicator of water quality. Water with a high redox potential is of high quality. Containing much surplus oxygen and complete mineralized of all agonic waste materials.

For vegetable and food disinfection process Senz Redox can be used to check cleaning water’s sanitizing power to remove E.coli and other harmful bacteria.

**Specifications**

|  |  |
| --- | --- |
| **Model:** | **Senz Redox** |
| Range: | ± 999 mV |
| Resolution: | 1 mV |
| Accuracy: | ± 20 mV |
| Calibration Points: | One touch button |
| Battery Type: | 4 x 1.5V button cell (Alkaline A76 or equivalent) |
| Battery Life: | Approx. 150 hours |
| Automatic Shut-off: | Approx. 25 minutes |
| Product Life: | min.365 tests or about 1 year |
| Operating Temperature: | 0 to 50°C or 32 to 122°F |
| Packaging Dimension Size (LxWxH): | 185mm x 65mm x 25mm |
| Packaging Weight: | Approx. 135gm |
| Product Dimension Size (LxWxH): | 170mm x 32mm x 15mm |
| Product Weight: | Approx. 70gm |

**Senz TDS**

The Senz TDS tester is designed for ruggedness and accuracy. TDS is measured in water processing and industrial water treatment and control. The conversion factor from conductivity is to the factor of 2 which is an industrial standard. It is the best gauge to perform QC and on-site checks in boilers, cooling towers and chemical dilution for waste disposal.

**High Precision:** Precise display of 1 ppm over the scale of 0 to 1990 ppm.

**One-Touch Calibration:** On activation, the tester calibrates the end-point automatically at prescribed standard solutions.

**Auto-End Point:** The tester automatically senses a stable end-point reading and freezes it for recording.

**Beep Function:** Beeps at every press of the button and long beep on every completed function or end-point reading.

**Specifications:**

|  |  |
| --- | --- |
| **Model:** | **Senz TDS** |
| **Range:** | **1 to 1,990 ppm** |
| **Resolution:** | **1 ppm** |
| **Accuracy:** | **± 2% full scale** |
| **Calibration Points:** | **Single** |
| **Battery Type:** | **4 x 1.5V button cell (Alkaline A76 or equivalent)** |
| **Battery Life:** | **Approx. 100 hours** |
| **Automatic Shut-off:** | **Approx. 15 minutes** |
| **Automatic Temperature Compensation:** | **0 to 50°C or 32 to 122°F** |
| **Operating Temperature:** | **0 to 50°C or 32 to 122°F** |
| **Packaging Dimension Size (LxWxH):** | **185mm x 65mm x 25mm** |
| **Packaging Weight:** | **Approx. 135gm** |
| **Product Dimension Size (LxWxH):** | **170mm x 32mm x 15mm** |
| **Product Weight:** | **Approx. 70gm** |

**Senz TDS 2 (100-10000 ppm)**

The Senz TDS 2 is designed for liquid testing where high concentrations of below 10,000 ppm is measured. The Senz TDS 2 is both rugged and accurate. TDS readings are converted from conductivity with the factor of 2 which is an industrial standard for water testing. All readings are temperature compensated to 25ºC, a must for concentrated liquids. The Senz TDS 2 is used to measure condensate, boiler water, swimming pool water and industrial waste control etc.

**Precision:** Precise display of 10 ppm over the scale of 0 to 10,000 ppm.

**One-Touch Calibration:** On activation, the tester calibrates the end-point automatically at prescribed standard solution.

**Auto-End Point:** The tester automatically senses a stable end-point reading and freezes it for recording.

**Hold Function:** Able to freeze display for ease of reading and recording.

**Beep Function:** The tester beeps at every press of the button and beeps on every completed function and end-point reading.

**Specifications:**

|  |  |
| --- | --- |
| **Model:** | **Senz TDS 2** |
| **Range:** | **100 to 10,000 ppm** |
| **Resolution:** | **100ppm** |
| **Accuracy:** | **± 2% full scale** |
| **Calibration Points:** | **Single point at 6440ppm** |
| **Battery Type:** | **4 x 1.5V button cell (Alkaline A76 or equivalent)** |
| **Battery Life:** | **Approx. 100 hours** |
| **Automatic Shut-off:** | **Approx. 15 minutes** |
| **Automatic Temperature Compensation:** | **0 to 50°C or 32 to 122°F** |
| **Operating Temperature:** | **0 to 50°C or 32 to 122°F** |
| **Packaging Dimension Size (LxWxH):** | **185mm x 65mm x 25mm** |
| **Packaging Weight:** | **Approx. 135gm** |
| **Product Dimension Size (LxWxH):** | **170mm x 32mm x 15mm** |
| **Product Weight:** | **Approx. 70gm** |

**Senz µSiemen**

The Senz µSiemen tester is a conductivity tester used to measure water concentrations. It is used in water treatment, chemical dilution, testing of industrial waste or drinking water where water quality control is required. The Senz µSiemen tester has a display resolution of 1µS. It is both rugged and accurate. It is the best tool for the technician on the go!

**Precision:** Precise display of 1 µS (Micro-Siemen)

**One-Touch Calibration:** On activation, the tester calibrates the end-point automatically at the prescribed standard solution.

**Auto-End Point:** The tester automatically senses a stable end-point reading and freezes it for recording.

**Hold Function:** Able to freeze display for ease of reading and recording.

**Beep Function:** The tester beeps at every press of the button and beeps on every completed function and end-point reading.

**Specifications**

|  |  |
| --- | --- |
| **Model:** | **Senz µSiemen** |
| **Range:** | **1 to 1990 µS** |
| **Resolution:** | **1 µS** |
| **Accuracy:** | **± 2% full scale** |
| **Calibration Points:** | **One touch button** |
| **Battery Type:** | **4 x 1.5V button cell (Alkaline A76 or equivalent)** |
| **Battery Life:** | **Approx. 100 hours** |
| **Automatic Shut-off:** | **Approx. 15 minutes** |
| **Automatic Temperature Compensation:** | **0 to 50°C or 32 to 122°F** |
| **Operating Temperature:** | **0 to 50°C or 32 to 122°F** |
| **Packaging Dimension Size (LxWxH):** | **185mm x 65mm x 25mm** |
| **Packaging Weight:** | **Approx. 135gm** |
| **Product Dimension Size (LxWxH):** | **170mm x 32mm x 15mm** |
| **Product Weight:** | **Approx. 70gm** |

**Walklab microprocessor ph meter ti9000**

Portable Microprocessor -pH, mV, Temperature Meter

**Specification:**

* Range: 0 to 14 pH, mV: ± 999 mV
* Temperature: 0 to 100°C
* Display Resolution: 0.01 pH ,mV: 1 mV , Temperature :0.1°C
* Accuracy (machine only): ± 0.01 pH ,mV: ± 1 mV ,Temperature: ± 0.5°C
* Temperature compensation: Automatic or manual from 0 to 100°C
* Operating Temperature: 0 to 50°C
* Operating humidity: Maximum 90% relative humidity
* Slope recognition: ± 20% at pH 4 and pH 10
* Offset recognition: ± 60 mV at pH 7
* Input impedance 10¹² ohms
* Battery type: DC9V (1604A, 6LF22 or equivalent)
* Battery life: Approximately 200 hours
* Size: 164 x 83 x 35mm
* Weight: 350gm

**Standard Accessories**

* Main instruments
* PE03 – Epoxy body combination pH electrode
* TP200 -pH microprocessor temperature probe (Stainless steel)
* 7010 – Buffer solution pH7.00 100ml
* 4010 – Buffer solution pH4.01 100ml
* Carrying case
* Operation manual

Brand: Trans Instruments/ Singapore

(one year warranty against manufacturer defect, three months for pH electrodes.)

**WalkLAB Professional Conductivity meter**

The WalkLAB Professional Conducivity-TDS-Salinity Meter HC9021 is a portable yet highly accurate pH meter. It is used in all industries as well as commercial and educational teaching aids. It has full functionality that matches an expensive bench meter.

The meter comes complete in a hard carrying case with calibration buffer solutions.

**Advanced Features:**

Large LCD with Multiple Display

Display of Condcutivity or TDS or Salinity with temperature and time simultaneously

Able to display reading in µSiemen, mSiemen, ppm, ppt.

**Autolock Measurement**

Meter automatically sense a stabilized endpoint reading

This ensures workers only takes in an accurate reading

all the time and every time.

**Multi-point calibration**

Meter able to make up to 5 points calibration

**Automatic Range**

Meter able to automatically switch to the next higher range to enhance the accuracy over the 5 calibrated points.

**Cell Constant**

Meter can accept probe of different cell constant 0.1, 1.0 and 10.0

**TDS Factor**

TDS factor can be adjusted to allow higher accuracy of different type of chemical or liquid of known conversion.

**Real Time Memory**

Able to save records of up to 99 data memory with date and time, enable download to PC.

**Online PC link**

Able to link to a PC for online display with optional PC kit (sold separately) and download saved data.

Meter uses regular AAA size batteries and tap power source from PC when connected via the USB cable.

**Specifications:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Range** | **Contuctivity / TDS** | | | | | **Salinity** | **Temperature** |
| 0~19.99µS | 0~199.9µS | 0~1999µS | 0~19.99mS | 0~199.9mS | 0~100.0ppt | 0~120 ºC |
| 0~9.99ppm | 0~99.9ppm | 0~999ppm | 0~9.99ppt | 0~99.9ppt |
| **Resolution** | 0.01 µS / ppm | 0.1 µS / ppm | 1 µS / ppm | 0.01 mS / ppt | 0.1 mS / ppt | 0.1ppt | 0.1 ºC |
| **Accuracy** | ±1% Full Scale | | | | | | ±0.5 ºC |
| **Calibration** | 5 points with 1 point on each range | | | | | | |
| **TDS Factor** | Adjustable from 0.40 to 1.00 | | | | | | |
| **Cell constant** | Selectable from 0.1 , 1.0 & 10.0 | | | | | | |
| **ATC** | Automatic from 0 - 100 ºC | | | | | | |
| **Memory** | 99 data with real time clock | | | | | | |
| **Power source** | 4 x 1.5Volt AAA size battery | | | | | | |
| **Battery Life** | 40 hrs of continuous use with white backlight on | | | | | | |