



1500 and 2000 Series Benchtop Meters

Versatile benchtop meters
for any laboratory

- Seamless method compliance for EPA, ISO, and other global regulatory standards
- Developed using extensive feedback from laboratory staff
- Various configurations available to meet the demands of measuring pH, ORP/mV, ions, conductivity, TDS, salinity, resistivity, dissolved oxygen, and BOD parameters



+1.800.343.5319

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1500 and 2000 Series Benchtop Meters

Our multiparameter benchtops include functionality to meet the highly specific and/or broad ranging needs of wastewater, drinking water, food and beverage, chemical and pharmaceutical testing labs.

Key features

- Various configurations available to meet the demands of measuring pH/mV, EC, Ion, PC, PD, DO, and BOD parameters
- Large display and small footprint—ideal for labs with limited bench space
- Automatic functions like buffer recognition and auto calibration for ease of use at any skill level
- Available as a kit so you are ready to calibrate and measure right out of the box!

Audit trail and regulatory compliance functions (2000 series only)

- Automatic record retention and accessibility for continuous compliance with regulatory requirements
- High-capacity internal memory for capture and storage of 2000 data points with time-and-date stamp
- Time-based automatic data log with GLP-compliant real-time clock—lets you capture and store data based on a defined time interval
- Password access protection secures the setup mode from unauthorized access

Visit our website for additional information and valuable water quality measurement tips to help you obtain optimal results in your laboratory.



Comparison of 1500 Series and 2000 Series Meters

| | 1500 Series | 2000 Series |
|-------------------|----------------------------|---------------------------------|
| Level | Entry level | Research grade |
| Parameters | pH, ORP/mV, EC, PC | pH, ORP/mV, Ion, EC, PC, DO, PD |
| Resolution | 0.01 | 0.001 |
| Compliance | 1000 data points | 2000 data points |
| | Data logging with download | Data logging with download |
| | — | Real-time clock |
| | — | GLP compliant |
| | — | Password protection |

EC = Conductivity, TDS, Salinity, Resistivity

PC = pH, ORP/mV, Conductivity, TDS, Salinity, Resistivity

PD = pH, ORP/mV, Dissolved Oxygen



1500 Series Benchtop Meters

Comparison of Measurement Capabilities by Model

| Parameters | | | Models | | |
|--------------|-------------|---|---------|---------|---------|
| | | | PH 1500 | EC 1500 | PC 1500 |
| pH | Range | -2.00 to 16.00 pH | • | | • |
| | Resolution | 0.01 pH | • | | • |
| | Accuracy | ±0.01 pH | • | | • |
| | Calibration | Up to 5 (USA, NIST); up to 6 (DIN) | • | | • |
| ORP | Range | ±2000.0 mV | • | | • |
| | Resolution | 0.1 mV (< ±1000 mV), 1 mV (≥ ±1000mV) | • | | • |
| | Accuracy | ±0.3 mV (< ±1000 mV), 0.3% of reading (≥ ±1000mV) | • | | • |
| | Calibration | Yes, up to ±200 mV | • | | • |
| Conductivity | Range | 0.00 µS/cm to 200.0 mS/cm, autoranging | | • | • |
| | Resolution | 0.01, 0.1, 1 µS; 0.01, 0.1 mS | | • | • |
| | Accuracy | ±0.6% full scale; ±1.5% full scale >18.0 mS/cm | | • | • |
| | Calibration | Up to 4 (auto); up to 5 (manual) | | • | • |
| TDS | Range | 0.00 ppm to 100 ppt | | • | • |
| | Resolution | 0.01, 0.1, 1 ppm; 0.01, 0.1 ppt | | • | • |
| | Accuracy | ±0.1% full scale | | • | • |
| Salinity | Range | 0.0 to 100.0 ppt; 0.00 to 10.00% | | • | • |
| | Resolution | 0.1 ppt; 0.01% | | • | • |
| | Accuracy | ±0.2% full scale | | • | • |
| Resistivity | Range | 0.00 Ω·cm to 20.0 MΩ·cm | | • | • |
| | Resolution | 0.5% full scale | | • | • |
| | Accuracy | ±0.6% full scale; ±1.5% full scale >1.80 MΩ·cm | | • | • |
| Temperature | Range | -30.0 to 130.0 °C (-22.0 to 266.0 °F) | • | • | • |
| | Resolution | 0.1 °C/°F | • | • | • |
| | Accuracy | ±0.5 °C (±0.9 °F) | • | • | • |
| | Calibration | Yes, ±10.0 °C (±18.0 °F) range in 0.1 °C increments | • | • | • |



Additional Water Quality Standards and Solutions for Benchtop Meters

| Description | Item number |
|---|-----------------|
| pH buffer standard pack: 500 mL each of 4.01 (red), 7.00 (yellow), and 10.01 (blue) | 05942-10 |
| pH electrode storage solution, 500 mL | 00653-04 |
| pH electrode cleaning solution, 500 mL | 00653-06 |

| Description | Item number |
|--|-----------------|
| Conductivity and TDS standard, 84 µS, 500 mL | 00653-16 |
| Conductivity and TDS standard, 1413 µS, 500 mL | 00653-18 |
| Conductivity and TDS standard, 2764 µS, 500 mL | 00653-20 |
| Conductivity and TDS standard, 12,880 µS, 500 mL | 00606-10 |
| Conductivity probe storage solution, 500 mL | 00652-80 |



1500 Series Benchtop Meters

Specifications

Data logging: 1000 data points

Automatic data logging: yes

Real-time clock: no

Date-and-time stamp: no

Measurement modes: auto stable, auto hold, real time

Electrode status: on-screen display

Calibration alarm: no

Password setting: no

Software upgradeable: no

PC/printer communication: phono jack (USB/RS-232)

Meter inputs: BNC, phono (ATC), DC sockets

Display: LCD with backlight

Auto shutoff: yes, programmable up to 30 minutes

Diagnostics: yes

Power: 100 to 240 VAC, 50/60 Hz

Dimensions (L x W x H): 15.5 x 15.0 x 6.7 cm (6.1 x 5.9 x 2.6 in.)

Ordering Information



| Model | Parameters | Meter | Kit |
|---------|---|----------|----------|
| PH 1500 | pH, ORP/mV, temperature | 35419-41 | 35419-40 |
| EC 1500 | Conductivity, TDS, salinity, resistivity, temperature | 35419-46 | 35419-45 |
| PC 1500 | pH, ORP/mV, conductivity, TDS, salinity, resistivity, temperature | 35419-51 | 35419-50 |

Meter comes with integrated electrode holder and universal power adapter (with six plugs). Kit option adds on electrode(s) or probe(s), and calibration solutions.

Related Products

| Description | Item number |
|--|-------------|
| All-in-one pH electrode with ATC; 0 to 14 pH range | 35419-42 |
| Conductivity probe with temperature element; K = 1.0, 0.1 mS/m to 10 S/m range | 35419-47 |
| ORP electrode, 1-m cable, BNC connector | 35419-82 |



Scan the QR code to find out more about our 1500 series benchtop meters.





2000 Series Benchtop Meters

Comparison of Measurement Capabilities by Model

| Parameters | | | Model | | | | | |
|--------------|-------------|---|---------|----------|--------|---------|---------|---------|
| | | | PH 2000 | ION 2000 | EC2000 | PC 2000 | DO 2000 | PD 2000 |
| pH | Range | -2.000 to 20.000 pH | • | • | | • | | • |
| | Resolution | 0.001, 0.01, 0.1 pH | • | • | | • | | • |
| | Accuracy | ±0.003 pH | • | • | | • | | • |
| | Calibration | Up to 5 (USA, NIST, NIST2); up to 6 (DIN, custom) | • | • | | • | | • |
| ORP | Range | ±2000.0 mV | • | • | | • | | • |
| | Resolution | 0.1 mV | • | • | | • | | • |
| | Accuracy | ±0.2 mV | • | • | | • | | • |
| | Calibration | Yes, up to ±200 mV | • | • | | • | | • |
| ISE | Range | 0.000 µg/L to 9999 g/L | | • | | • | | • |
| | Resolution | 4 Significant digits | | • | | • | | • |
| | Accuracy | ±0.3% full scale or ±0.2 mV, whichever is higher | | • | | • | | • |
| | Calibration | Up to 5 | | • | | • | | • |
| Conductivity | Range | 0.000 µS/cm to 2.000 S/cm, autoranging | | | • | • | | |
| | Resolution | 0.05% full scale | | | • | • | | |
| | Accuracy | ±0.6% full scale; ±1.5% full scale >18.0 mS/cm | | | • | • | | |
| | Calibration | Up to 4 (auto); up to 5 (manual) | | | • | • | | |
| TDS | Range | 0.01 mg/L (ppm) to 100 g/L (ppt) | | | • | • | | |
| | Resolution | 0.01, 0.1, 1 | | | • | • | | |
| | Accuracy | ±0.1% full scale | | | • | • | | |
| | Calibration | Up to 4 (auto); up to 5 (manual) | | | • | • | | |
| Salinity | Range | 0.0 to 100.0 ppt; 0.00 to 10.00% | | | • | • | | |
| | Resolution | 0.1 ppt; 0.01% | | | • | • | | |
| | Accuracy | ±0.2% full scale | | | • | • | | |
| Resistivity | Range | 0.000 Ω•cm to 20.0 MΩ•cm | | | • | • | | |
| | Resolution | 0.5% full scale | | | • | • | | |
| | Accuracy | ±0.6% full scale; ±1.5% full scale >1.80 MΩ•cm | | | • | • | | |
| DO | Range | 0.0 to 60.00 mg/L; 0.0 to 600.0% | | | | | • | • |
| | Resolution | 0.01 mg/L; 0.1% | | | | | • | • |
| | Accuracy | ±0.1 mg/L; ±1.0% | | | | | • | • |
| | Calibration | Up to 2 | | | | | • | • |
| | BOD | 5-day BOD with seed correction option | | | | | • | • |
| Temperature | Range | -30.0 to 130.0 °C (-22.0 to 266.0 °F) | • | • | • | • | • | • |
| | Resolution | 0.1 °C/°F | • | • | • | • | • | • |
| | Accuracy | ±0.5 °C (±0.9 °F) | • | • | • | • | • | • |
| | Calibration | Yes, ±10.0 °C (±18.0 °F) range in 0.1 °C increments | • | • | • | • | • | • |

2000 Series Benchtop Meters

Specifications

Data logging: 2000 data points

Automatic data logging: yes

Real-time clock: yes

Date-and-time stamp: yes

Measurement modes: auto stable, auto hold, real time

Electrode status: on-screen display

Calibration alarm: yes, programmable up to 90 days

Password setting: yes

Software upgradeable: yes

PC/printer communication: phono jack (USB/RS-232)

Meter inputs: BNC, phono (ATC), DC sockets

Display: 12.7 cm (5 in.) custom LCD with backlight

Auto shutoff: yes, programmable up to 30 minutes

Diagnostics: yes

Power: 100 to 240 VAC, 50/60 Hz

Dimensions (L x W x H): 15.5 x 15.0 x 6.7 cm
(6.1 x 5.9 x 2.6 in.)



Ordering Information

| Model | Parameters | Meter | Kit |
|----------|---|----------|----------|
| PH 2000 | pH, ORP/mV, temperature | 35419-55 | 35419-54 |
| ION 2000 | pH, ORP/mV, ISE, temperature | 35419-72 | 35419-70 |
| EC 2000 | Conductivity, TDS, salinity, resistivity, temperature | 35419-62 | 35419-60 |
| PC 2000 | pH, ORP/mV, conductivity, TDS, salinity, resistivity, temperature | 35419-67 | 35419-65 |
| DO 2000 | DO, BOD, temperature | 35419-76 | 35419-74 |
| PD 2000 | pH, ORP/mV, ISE, DO, BOD, temperature | 35419-80 | 35419-78 |

Meter comes with integrated electrode holder and universal power adapter (with six plugs). Kit option adds on electrode(s) or probe(s), BOD stirrer (for DO and PD only), and calibration solutions.

Related Products

| Description | Item number |
|--|-------------|
| All-in-one pH electrode with ATC; 0 to 14 pH range | 35419-42 |
| Conductivity probe with temperature element; K = 1.0, 0.1 mS/m to 10 S/m range | 35419-47 |
| ORP electrode, 1-m cable, BNC connector | 35419-82 |
| Dissolved oxygen sensor | 35419-75 |
| Dissolved oxygen tip | 35419-79 |
| BOD stirrer with holder for DO tip | 35419-77 |

USA: +1.800.343.5319
sales@environmentalexpress.com

UK: +44 (0) 1480.272279
environmentalexpress@antylia.com

Canada: +1.800.363.5900

China: +86.21.5109.9909

France: +33 (0) 1486 37800

Germany: +49 (0) 9377 92030

India: +1.800.266.1244

Italy: +39 (0) 1313 89513

All other countries: +1.843.881.6560

Scan the QR code to find out more about our 2000 series benchtop meters.



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