

...setting the standard again and again®

Waterproof pH 450 and CON 450 Meters

Backlit, rugged waterproof meters are ideal for any environment!

- Intuitive, user-friendly icons show electrode status as pH slope or cell constant
- Get more data at a glance—view measurement with temperature and calibration data with % slope or cell constant on large, backlit custom display
- Know when to recalibrate—calibration alarm reminds you when it is time to recalibrate
- Automatic and manual temperature compensation ensures accuracy, even in fluctuating temperatures
- Built-in real-time clock stamps stored data and calibration data with time and date for GLP documentation
- Store and analyze up to 500 data sets with easy USB or RS-232 output with optional data cables
- Durable waterproof and dustproof design with IP67 rating
- Convenient hold, ready, and automatic shutoff functions
- Selectable °C or °F to best fit your application
- Extended 500-hour battery life from two AA batteries or use optional universal power adapter
- Quickly and easily secure the electrode or probe to your beaker or container with Grip-Clip™ holder
- Easy benchtop measurement with built-in stand or wall-mount

Keep hands free with built-in stand—ideal for benchtop or long-term use

pH 450 meter also features:

- Six-point calibration—choose USA, NIST, DIN, or custom buffers
- Auto buffer recognition automatically identifies the correct pH buffer for rapid calibration
- mV offset for calibration to ORP standards, zeroing mV value, and pH diagnostics
- Compatible with pH and ISE electrodes having a BNC connector
- Meter includes Grip-Clip holder and batteries; meter with probe adds on electrode 35808-71; kit further adds buffers, solutions, and hard carrying case

CON 450 meter also features:

- Autorange conductivity from 0 to 199.9 mS in five ranges with automatic calibration up to five calibration points
- Selectable cell constant of 0.1, 1.0, or 10 from a two-cell probe
- Selectable temperature coefficient is adjustable from 0 to 10% per °C for accurate compensation of almost any solution
- Adjustable conductivity-to-TDS factor from 0.4 to 1.0
- Meter with probe includes cell 35608-50, Grip-Clip holder, and batteries; kit adds on calibration solutions and hard carrying case



| Description | | pH 450 meter only | pH 450 meter with probe | pH 450 meter kit | CON 450 meter with probe | CON 450 meter kit |
|------------------------------|--------------|---|-------------------------|------------------|-------------------------------------|-------------------|
| Catalog number | | WD-35618-32 | WD-35618-30 | WD-35618-90 | WD-35608-32 | WD-35608-80 |
| Precalibrated catalog number | | WD-35618-34 | WD-35618-33 | WD-35618-91 | WD-35608-34 | WD-35608-81 |
| Range | pH | -2.00 to 16.00 pH | | | — | |
| | mV | ±2000 mV | | | — | |
| | Ion | 0.0 to 19,999 | | | — | |
| | Conductivity | — | | | 0 to 200 mS | |
| | TDS | — | | | 0 to 200 ppt | |
| | Temperature | -17.0 to 230.0°F (-10.0 to 110.0°C) | | | -17.0 to 230.0°F (-10.0 to 110.0°C) | |
| Resolution | pH | 0.01 pH | | | — | |
| | mV | 0.1 mV ±999.9 mV; 1 mV beyond | | | — | |
| | Ion | 0.01 | | | — | |
| | Conductivity | — | | | 0.01 µS to 0.1 mS | |
| | TDS | — | | | 0.01 ppm to 0.1 ppt | |
| | Temperature | 0.1°F/°C | | | 0.1°F/°C | |
| Accuracy | pH | ±0.01 pH | | | — | |
| | mV | ±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater | | | — | |
| | Ion | ±0.5% full-scale (monovalent); ±1% full-scale (divalent) | | | — | |
| | Conductivity | — | | | ±1% full-scale | |
| | TDS | — | | | ±1% full-scale | |
| | Temperature | ±0.9°F (±0.5°C) | | | ±0.9°F (±0.5°C) | |
| Calibration | pH | Up to six points: USA, NIST, DIN and custom buffer | | | — | |
| | mV | ±200 mV | | | — | |
| | Ion | Up to six points | | | — | |
| | Conductivity | — | | | Auto/manual; 1 point/range | |
| | TDS | — | | | Auto/manual; 1 point/range | |
| | Temperature | Offset 0.1 increments | | | ±5.0° offset | |
| Temperature compensation | | Automatic or manual from -10 to 110°C | | | | |
| Output | | USB or RS-232 | | | | |
| Data logging | | 500 data sets | | | | |
| Power | | Two AA batteries (included); universal power adapter (optional) | | | | |

Accessories

WD-35808-71 Replacement "All-in-One" pH electrode with built-in ATC. Single-junction; epoxy body; BNC connector

WD-35808-72 "All-in-One" pH electrode with built-in ATC. Double-junction; epoxy body; BNC connector

WD-35618-05 ATC probe. Use with any standard pH electrode with BNC for temperature compensation

WD-35608-55 Conductivity cell, K = 0.1

WD-35608-50 Replacement conductivity cell, K = 1.0

WD-35608-51 Conductivity cell, K = 10

WD-35614-50 Replacement Grip-Clip holder attaches probe to side of container for hands-free operation

WD-35614-51 Hard carrying case

WD-35630-53 Data cable for USB connectivity

WD-35420-01 Data cable for RS-232 connectivity

WD-35420-72 Optional power adapter, 110/220 VAC

WD-09376-01 Replacement batteries, AA. Pack of 4