

...setting the standard again and again®



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

- 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

## 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