

...setting the standard again and again®

Waterproof pH/CON 450 Meter

Get more versatility for your application

- Select meter with combination pH/CON probe or separate pH and conductivity probes
- Durable waterproof and dustproof design with IP67 rating
- Switch between pH, mV, conductivity, TDS, and salinity with a press of a button
- Get more data at a glance—view measurement with temperature on large, backlit custom display
- Know when to recalibrate—calibration alarm reminds you when it is time to recalibrate
- Intuitive, user-friendly icons show electrode status as pH slope or cell constant
- Get more accurate readings—selectable manual or automatic temperature compensation (ATC) eliminates temperature effects on readings
- Selectable °C or °F to best fit your application
- Convenient hold, ready, low-battery indicator, and automatic shutoff functions
- Store up to 500 data sets; easy USB or RS-232 output with optional data cables
- Built-in real-time clock stamps stored data and calibration data with time and date for GLP compliance



pH/CON 450 meter
with separate probes

pH/CON 450 meter with
combination probe



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



Grip-Clip™ holder
quickly and easily
secures the probe to
your beaker or container

Key pH features:

- Six-point calibration—choose USA, NIST, DIN, or custom buffer sets
- Auto buffer calibration which 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

Key conductivity features:

- Auto-range conductivity from 0 to 199.9 mS in five ranges with up to five calibration points
- Selectable cell constant of 0.1, 1.0, or 10 from two-cell probe
- Selectable temperature coefficient; adjustable from 0 to 10% per °C for accurate compensation of almost any solution
- Conductivity-to-TDS factor is adjustable from 0.4 to 1.0

What's included:

Meter with combination probe includes: pH/CON probe 35630-51 and batteries.

Meter with separate probes includes: pH probe 35641-51, conductivity cell 35808-50, Grip-Clip holder, and batteries

Kits add: calibration solutions and hard carrying case.



| Description | pH/CON 450 meter with combination probe | pH/CON 450 meter with separate probes | pH/CON 450 meter kit with combination probe | pH/CON 450 meter kit with separate probes |
|------------------------------|---|--|---|---|
| Catalog number | WD-35630-10 | WD-35630-12 | WD-35630-80 | WD-35630-90 |
| Precalibrated catalog number | WD-35630-11 | WD-35630-13 | WD-35630-81 | WD-35630-91 |
| Range | pH | -2.00 to 16.00 pH | | |
| | mV | ±2000 mV | | |
| | Conductivity | 0 to 200 mS | | |
| | TDS | 0 to 200 ppt | | |
| | Salinity | 0 to 50 ppt | | |
| | Temperature | -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 | | |
| | Conductivity | 0.01 µS to 0.1 mS | | |
| | TDS | 0.01 ppm to 0.1 ppt | | |
| | Salinity | 0.01 | | |
| | Temperature | 0.1°C/°F | | |
| Accuracy | pH | ±0.01 pH | | |
| | mV | ±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater | | |
| | Conductivity | ±0.5% full-scale (monovalent); ±1% full-scale (divalent) | | |
| | TDS | ±1% full-scale | | |
| | Salinity | ±1% full-scale | | |
| | Temperature | ±0.5°C; ±0.9°F | | |
| Calibration | pH | Up to six points: USA, NIST, DIN, or custom | | |
| | mV | ±200 mV | | |
| | Conductivity | Auto/manual; one point per range | | |
| | TDS | Auto/manual; one point per range | | |
| | Salinity | Auto/manual; one point per range | | |
| | Temperature | ± 5.0° offset | | |
| Temperature compensation | Automatic or manual from -10 to 110°C | | | |
| Output | USB or RS-232 | | | |
| Data logging | Stores up to 500 data sets | | | |
| Power | Two AA batteries (included), 500 hours (without backlight); AC adapter (optional) | | | |

Accessories

WD-35641-51 Replacement pH electrode.

Double-junction; epoxy body; BNC connector

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

WD-35630-51 Replacement combination pH/CON/ATC probe

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

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