

pH/CON 450 Meter

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**
- Large, backlit custom display** – Lets you view measurement with temperature
- Six-point calibration** – Choose USA, NIST, DIN, PWB, or custom buffer sets
- Auto buffer recognition** – Automatically identifies the correct pH buffer for rapid calibration
- Calibration alarm** – A visible reminder when it is time to recalibrate the meter
- Intuitive, user-friendly icons** – Electrode status displays pH slope or cell constant
- Auto-range conductivity from 0 to 199.9 mS in five ranges** – With up to five calibration points
- Selectable cell constant** – 0.10, 1.00, or 10.0 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** – Adjustable from 0.4 to 1.0
- Automatic or manual temperature compensation** – For the highest accuracy in any situation
- Selectable °C/°F** – Choose units to best fit your application
- 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** – Meets standards for GLP (Good Laboratory Practices)
- Grip-Clip™ holder** – Quickly and easily secures the probe to your beaker or container
- Built-in stand with wall mount** – Allows for easy benchtop measurement and storage
- 500 hours battery life or use optional universal power adapter**

New



Specifications

Mode	pH	mV	Conductivity	TDS	Salinity	Temperature
Range	-2.00 to 16.00 pH	±2000 mV	0 to 200 mS	0 to 200 ppt	0 to 50 ppt	-10 to 110.0°C (-17 to 230.0°F)
Resolution	0.01 pH	0.1 mV ±999.9 mV; 1 mV beyond	0.01 µS to 0.1 mS	0.01 ppm to 0.1 ppt	0.01	0.1°C/°F
Accuracy	±0.01 pH	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater	±1% full-scale	±1% full-scale	±1% full-scale	±0.5°C (±0.9°F)
Calibration	Up to six points: USA, NIST, DIN, PWB, or custom	±200 mV	Auto/manual; one point per range	Auto/manual; one point per range	Auto/manual; one point per range	±5.0 offset

Display: custom LCD with backlight
Memory: up to 500 data sets
Output: USB or RS-232

Real-time clock: time-and-date stamp on calibration and stored data
Temperature compensation: automatic or manual from -10 to 110°C

Power: two AA batteries (included), 500 hours (without backlight); AC adapter (optional)
Dimensions (L x W x H):
Meter: 7 7/8" x 3 1/8" x 2 1/4" (20 x 8.3 x 5.7 cm)
Boxed: 9 1/8" x 9 1/8" x 2 3/4" (23 x 23 x 7 cm)

Weight:
Meter: 1 lb (0.5 kg);
Boxed: 1.4 lb (0.7 kg)



Ordering Information

Catalog number	Precalibrated catalog number	Description	Included
WD-35630-10	WD-35630-11	pH/CON 450 meter with combination probe	Meter, combination pH/CON probe 35630-51, and two AA batteries
WD-35630-12	WD-35630-13	pH/CON 450 meter with separate probes	Meter, pH probe 35641-51, conductivity cell probe (K = 1.0) 35808-50, Grip-Clip holder, and two AA batteries
WD-35630-80	WD-35630-81	pH/CON 450 meter kit with combination probe	Meter, combination pH/CON probe 35630-51, calibration solutions, two AA batteries, and hard carrying case
WD-35630-90	WD-35630-91	pH/CON 450 meter kit with separate probes	Meter, pH probe 35641-51, conductivity cell probe (K = 1.0) 35808-50, Grip-Clip holder, calibration solutions, two AA batteries, and hard carrying case

WD-35641-51 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 electrode holder

WD-35608-51 Hard carrying case, fits all 150/450 meter configurations

WD-35630-53 Data cable for USB connectivity

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

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

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