

Water Quality Meters

Oakton Waterproof pH 450, CON 450 and pH/CON 450 Meters

Oakton Waterproof 450 Meters are easy-to-use handheld meters for measuring water quality parameters in the lab, plant or field. All meters have an IP 67 waterproof rating. Backlit, rugged Waterproof 450 Meters are ideal for any environment!

FEATURES

- **Durable waterproof and dustproof design with IP-67 rating**
- **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 450

- **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**
- **Meter includes Grip-Clip holder and batteries;** meter with probe adds on electrode 12101034; kit further adds buffers, solutions, and hard carrying case

CON 450

- **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
- **Adjustable conductivity-to-TDS factor is adjustable from 0.4 to 1.0**
- **Meter with probe** includes cell 12101033, Grip-Clip holder, and batteries; kit adds on calibration solutions and hard carrying case

pH/CON 450 Added Features

- **Select meter** with combination pH/CON probe (12101273) or separate pH (12101037) and conductivity (12101033) probes
- **Switch between pH, mV, conductivity, TDS, and salinity** with a press of a button



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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Oakton Waterproof pH 450, CON 450 and pH/CON 450 Meters

SPECIFICATIONS

	Range	Resolution	Accuracy	Calibration
pH 450				
pH	-2.00 to 16.00 pH	0.01 pH	±0.01 pH	Up to six points: USA, NIST, DIN and custom buffer
mV	±2000 mV	0.1 mV ±999.9 mV; 1 mV beyond	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater	±200 mV
Ion	0.0 to 19,999	0.01	±0.5% full-scale (monovalent); ±1% full-scale (divalent)	Up to six points
Temperature	-17.0 to 230.0°F (-10.0 to 110.0°C)	0.1°F/°C	±0.9°F (±0.5°C)	Offset 0.1 increments
CON 450				
Conductivity	0 to 200 mS	0.01 µS to 0.1 mS	±1% full-scale	Auto/manual; 1 point/range
TDS	0 to 200 ppt	0.01 ppm to 0.1 ppt	±1% full-scale	Auto/manual; 1 point/range
Temperature	-17.0 to 230.0°F (-10.0 to 110.0°C)	0.1°F/°C	±0.9°F (±0.5°C)	±5.0° offset
pH/CON 450				
pH	-2.00 to 16.00 pH	0.01 pH	±0.01 pH	Up to six points: USA, NIST, DIN and custom buffer
mV	±2000 mV	0.1 mV ±999.9 mV; 1 mV beyond	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater	±200 mV
Conductivity	0 to 200 mS	0.01 µS to 0.1 mS	±1% full-scale	Auto/manual; 1 point/range
TDS	0 to 200 ppt	0.01 ppm to 0.1 ppt	±1% full-scale	Auto/manual; 1 point/range
Salinity	0 to 50 ppt	0.01	±1% full-scale	Auto/manual; one point per range
Temperature	-17.0° to 230.0°F (-10.0° to 110.0°C)	0.1°F/°C	±0.9°F (±0.5°C)	Offset 0.1 increments

All Meters

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)

ORDERING INFORMATION

Meters

Description	Oakton Part No.	Geotech Part No.
pH 450 Meter Only	WD-35618-32	72101081
pH 450 Meter with Probe	WD-35618-30	72101082
pH 450 Meter Kit	WD-35618-90	-
CON 450 Meter with Probe	WD-35608-32	72101084
CON 450 Meter Kit	WD-35608-80	-
pH/CON 450 Meter with Combination Probe	WD-35630-10	72101087
pH/CON 450 Meter with Separate Probes	WD-35630-12	72101088
pH/CON 450 Meter Kit with Combination Probe	WD-35630-80	-
pH/CON 450 Meter Kit with Separate Probes	WD-35630-90	-

Accessories

Description	Oakton Part No.	Geotech Part No.
Replacement "All-in-One" pH Electrode	WD-35808-71	12101034
"All-in-One" pH Electrode	WD-35808-72	12101075
Replacement pH Electrode	WD-35641-51	12101037
ATC Probe	WD-35618-05	72101031
Replacement Combination pH/CON/ATC Probe	WD-35630-51	12101273
Conductivity Cell, K=0.1	WD-35608-55	-
Replacement Conductivity Cell, K=1.0	WD-35608-50	12101033
Conductivity Cell, K=10	WD-35608-51	-
Replacement Grip-Clip Holder	WD-35614-50	-
Hard Carrying Case	WD-35614-51	12101272
Data Cable for USB Connectivity	WD-35630-53	-
Data Cable for RS-232 Connectivity	WD-35420-01	-
Optional Power Adapter, 110/220 VAC	WD-35420-72	-

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