

Environmental Express® Oakton® 300-Series Smart Handheld Water Quality Meters



Optimize your time in the field—smart digital sensors retain calibration information

- Extremely versatile—the meter automatically recognizes which sensors you plug in so you can easily switch parameters whenever you want
- Select a meter with the number of channels you need (1, 2, or 3) and the sensors for the parameters you are measuring (pH, conductivity, or DO)
- Easily view results on large color graphic TFT-LCD, even in dim lighting or bright outdoor sunlight
- Get accurate readings with auto-hold, auto-stable, and real-time measurement modes
- Store up to 10,000 data points with date-and-time stamp for future analysis
- Transfer data via USB cable or wirelessly with Wi-Fi SD card
- Rugged, waterproof, and dustproof with an IP67 rating for use in any environment
- Nonslip ergonomic design for comfortable handling
- Work easier with built-in sensor holders and flip-out meter stand
- Available in a handy kit with everything you need for field testing on the go

Our Oakton 300-series meters use smart sensor technology with sensor heads that feature a built-in digital circuit for automatic sensor recognition. Information including sensor ID, calibration data, and measurement setup is stored in the sensor head and viewable on the meter display when a sensor is connected. You can even calibrate in the lab, then simply “plug & play” in the field.

Sensor heads are easy to connect and disconnect with waterproof push-lock connector. Sensor cartridges (pH and EC) are replaceable for a cost-efficient and environmentally friendly system. Blue LED light on the sensor head functions as a reading stability indicator, flashing until the reading is stable.



Specifications

Meters

Display: 3½" color graphic TFT-LCD

Data logging: 10,000 data points with date-and-time stamp

Output: micro USB for PC connection, phono jack for printer

Dimensions (L x W x H): 8½" x 3½" x 1⅞" (22 x 9 x 3.4 cm)

Power: four AA batteries (included) or USB charger via micro USB cable

pH Sensor

(sensor head on cable and replaceable sensor cartridge)

Parameter	Range	Resolution	Accuracy
pH	-2.00 to 20.00; -2.000 to 20.000	0.01; 0.001	±0.001; ±0.005
mV	±1000	0.1	±0.1
Temperature	-22 to 266°F (-30 to 130°C)	0.1°F/°C	±0.9°F (±0.5°C)

Type: double junction, gel filled, built-in temperature sensor, polycarbonate body

pH calibration: up to 6

pH buffer recognition: USA, DIN, NIST, NIST (10), and custom

Temperature compensation: automatic

Conductivity Sensor

(sensor head on cable and replaceable sensor cartridge)

Parameter	Range	Resolution	Accuracy
Conductivity	0 to 200 S	Autoranging, up to 4 significant digits	±0.5% full-scale of each range; ±1.5% full-scale at 200 mS
TDS	0.01 to 200,000 mg/L	0.01 minimum, 4 significant digits	±0.5% of reading or ±0.1 mg/L, whichever is greater
Resistivity	0.1 Ω·cm to 200 MΩ·cm	Autoranging, up to 4 significant digits	±0.5% full-scale of each range; ±1.5% full-scale >20.0 MΩ
Salinity	0.00 to 80.00 ppt	0.01 ppt	±0.5% of reading or ±0.01 ppt, whichever is greater
Temperature	-22 to 266°F (-30 to 130°C)	0.1°F/°C	±0.9°F (±0.5°C)

Type: 4 cell, built-in temperature sensor, epoxy/carbon body

Conductivity temp coefficient: 0.00 to 10.00%/°C

Calibration points: up to 4 automatic, up to 5 manual

DO Sensor

(probe on cable and replaceable membrane cap)

Parameter	Range	Resolution	Accuracy
DO	0.00 to 20.00 mg/L; 0.0 to 200.0%	0.01 mg/L; 0.1%	±0.2 mg/L; ±2%
O ₂	0.0 to 50.0%	0.1%	±0.5%
Temperature	-22 to 266°F (-30 to 130°C)	0.1°F/°C	±0.9°F (±0.5°C)

Type: optical DO sensor, built-in temperature sensor, calibration bottle, stainless steel protective guard

Salinity compensation: automatic using conductivity sensor; manual 0.0 to 40.0 ppt

Barometric pressure compensation: automatic by built-in barometer; manual 10.0 to 199.9 kPa

Calibration points: up to 2

Ordering Information



Meter only includes: batteries.

Meter kit adds: sensor(s) on 6.6-ft (2-m) cable, calibration standards, and carrying case.



Model	Description	Catalog number
350	Single-channel meter only	EE3566082
	Single-channel meter kit with pH sensor	EE3566070
	Single-channel meter kit with conductivity sensor	EE3566072
	Single-channel meter kit with DO sensor	EE3566074
360	Dual-channel meter only	EE3566084
	Dual-channel meter kit with pH and conductivity sensors	EE3566076
	Dual-channel meter kit with pH and DO sensors	EE3566078
380	Triple-channel meter only	EE3566086
	Triple-channel meter kit with pH, conductivity, and DO sensors	EE3566080

Accessories

EE3566088 pH sensor head, 6.6-ft (2-m) cable

EE3566101 pH sensor head, 16.4-ft (5-m) cable

EE3566092 Replacement pH sensor cartridge, double-junction

EE3566090 Conductivity sensor head, 6.6-ft (2-m) cable

EE3566102 Conductivity sensor head, 16.4-ft (5-m) cable

EE3566094 Replacement conductivity sensor cartridge, 4 cell

EE3566096 Optical DO sensor, 6.6-ft (2-m) cable

EE3566098 Optical DO sensor, 16.4-ft (5-m) cable

EE3566100 Replacement DO membrane cap

EE3566103 pH buffer pack. Includes 60 mL each of pH 4.01, 7.00, and 10.01 USA buffers

EE3566109 Conductivity standards. Includes 60 mL each of 84 µS, 1413 µS, 12.88 mS, and 111.8 mS