

Water Quality Meters

Oakton Waterproof DO 450 and pH/DO 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

- Reduce maintenance and costs with affordable optical RDO technology
- Durable waterproof and dustproof design with IP-67 rating
- See more data at a glance – view measurement with temperature and calibration data on large, backlit custom display
- Get more accurate readings – automatic or manual temperature compensation 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
- Keep hands free with built-in stand and wall mount
- 500 hours battery life or use optional universal power adapter

DO 450

- RDO, rugged optical dissolved oxygen technology
- Eliminate costly, tiresome membranes and solution
- Manual barometric pressure and salinity corrections
- Annual sensor cap replacement
- Meter includes batteries; meter with probe adds RDO probe (12101275) and sensor cap; kit further adds RDO weight, calibration tube, and hard carrying case

pH/DO 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 batteries; meter with probes adds RDO probe (12101275), pH probe (12101034), and sensor cap; kit further adds RDO weight, calibration tube, calibration solutions, and hard carrying case



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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Oakton Waterproof DO 450 and pH/DO 450 Meters

SPECIFICATIONS

| | Range | Resolution | Accuracy | Calibration |
|-------------------------|---------------------------------------|-------------------------------|--|---|
| DO 450 | | | | |
| Dissolved Oxygen | 0 to 20 mg/L (ppm); 0 to 200% | 0.1 mg/L (ppm); 0.10% | ±2% | Zero and saturation |
| 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/DO 450 | | | | |
| Dissolved Oxygen | 0 to 20 mg/L (ppm); 0 to 200% | 0.1 mg/L (ppm); 0.10% | ±2% | Zero and saturation |
| pH | -2.00 to 16.00 pH | 0.01 pH | ±0.01 pH | Up to six points: USA, NIST, DIN, or custom |
| 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 |
| 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 |

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) or optional universal power adapter |

ORDERING INFORMATION

Meters

| Description | Oakton Part No. | Geotech Part No. |
|------------------------------------|-----------------|------------------|
| DO 450 Meter Only | WD-35640-32 | 72101091 |
| DO 450 Meter with Probe | WD-35640-30 | 72101092 |
| DO 450 Meter Kit | WD-35640-90 | - |
| pH/DO 450 Meter Only | WD-35632-32 | 72101094 |
| pH/DO 450 Meter with Probes | WD-35632-30 | 72101095 |
| pH/DO 450 Meter Kit | WD-35632-80 | - |

Accessories

| Description | Oakton Part No. | Geotech Part No. |
|--|-----------------|------------------|
| Replacement RDO Sensor Cap | WD-35640-51 | 12101274 |
| Replacement RDO Probe, 10 ft. (3 m) cable | WD-35640-53 | 12101275 |
| RDO Probe, 20 ft. (6 m) cable | WD-35640-55 | 12101276 |
| RDO Probe, 50 ft. (15 m) cable | WD-35640-57 | 12101277 |
| RDO Probe Weight, screw thread to attach to probe | WD-35640-59 | - |
| RDO Calibration Chamber | WD-35640-58 | 12101278 |
| ATC Probe for temperature compensation | WD-35618-05 | 72101031 |
| Hard Carrying Case | WD-35608-51 | 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 | - |
| Replacement "All-in-One" pH Electrode | WD-35808-71 | 12101034 |
| Replacement pH Electrode, Double-junction; epoxy body; 10 ft. (3 m) BNC connector | WD-35805-23 | 12101261 |

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