



OAKTON® INSTRUMENTS

Waterproof DO 450 and pH/DO 450 Meters



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

No more wasting time or money!

- Reduce maintenance and costs with affordable optical RDO technology
- Durable waterproof and dustproof design with IP67 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 meter also features:

- 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 35640-53 and sensor cap; kit further adds RDO weight, calibration tube, and hard carrying case



pH/DO meter also 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
- Meter includes batteries; meter with probes adds RDO probe 35640-53, pH probe 35808-71, and sensor cap; kit further adds RDO weight, calibration tube, and hard carrying case



Description		DO 450 meter	DO 450 meter with probe	DO 450 meter kit	pH/DO 450 meter	pH/DO 450 meter with probes	pH/DO 450 meter kit
Catalog number		WD-35640-32	WD-35640-30	WD-35640-90	WD-35632-32	WD-35632-30	WD-35632-80
Precalibrated catalog number		WD-35640-34	WD-35640-31	WD-35640-91	WD-35632-34	WD-35632-31	WD-35632-81
Range	Dissolved oxygen	0 to 20 mg/L (ppm); 0 to 200%			0 to 20 mg/L (ppm); 0 to 200%		
	pH	—			-2.00 to 16.00 pH		
	mV	—			±2000 mV		
	Temperature	-17.0 to 230.0°F (-10.0 to 110.0°C)			-17.0 to 230.0°F (-10.0 to 110.0°C)		
Resolution	Dissolved oxygen	0.1 mg/L (ppm); 0.10%			0.1 mg/L (ppm); 0.10%		
	pH	—			0.01 pH		
	mV	—			0.1 mV (±999.9 mV); 1 mV (beyond)		
	Temperature	0.1°F/°C			0.1°F/°C		
Accuracy	Dissolved oxygen	±2%			±2%		
	pH	—			±0.01 pH		
	mV	—			±0.2 mV ±2 LSD or ±0.5% of reading, whichever is greater		
	Temperature	±0.9°F (±0.5°C)			±0.9°F (±0.5°C)		
Calibration	Dissolved oxygen	Zero and saturation			Zero and saturation		
	pH	—			Up to six points: USA, NIST, DIN, or custom		
	mV	—			±200 mV		
	Temperature	±5.0° offset			±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) or optional universal power adapter					

Accessories

- WD-35640-51 Replacement RDO sensor cap**
- WD-35640-53 Replacement RDO probe**, 10-ft (3-m) cable
- WD-35640-55 RDO probe**, 20-ft (6-m) cable
- WD-35640-57 RDO probe**, 50-ft (15-m) cable
- WD-35640-59 RDO weight**, screw thread to attach to probe
- WD-35640-58 RDO calibration chamber**
- WD-35805-23 Replacement pH electrode**. Double-junction; epoxy body; 10 ft (3-m) BNC connector

- WD-35618-05 ATC probe**. Use with any standard pH electrode for temperature compensation
- WD-35608-51 Hard carrying case**
- 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