

# pH/RDO 450 Meter

Affordable optical RDO technology reduces maintenance time and costs

- Durable waterproof and dustproof design with IP67 rating**
- Large, backlit graphic display provides measurement with temperature**
- Switch between pH, mV, % saturation, and mg/L (ppm) dissolved oxygen** – With the press of a button
- Eliminates costly, tiresome membranes and solutions**
- Automatic barometric pressure and manual salinity correction**
- Six-point calibration** – Choose USA, NIST, DIN, PWB, or custom buffer sets
- Auto buffer recognition** – Automatically identifies the correct pH buffer for rapid calibration
- Automatic or manual temperature compensation** – For the highest accuracy in any situation
- Calibration alarm** – A visible reminder that it is time to recalibrate the meter
- Selectable °C or °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)
- 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	mg/L (ppm)	% Saturation	Temperature
Range	-2.00 to 16.00 pH	±2000 mV	0 to 20 mg/L (ppm)	0 to 200%	-10.0 to 110.0°C (-17.0 to 230.0°F)
Resolution	0.01 pH	0.1 mV ±999.9 mV; 1 mV beyond	0.1 mg/L	0.10%	0.1°C/°F
Accuracy	±0.01	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater	±2%	±2%	±0.5°C (±0.9°F)
Calibration	Up to six points: USA, NIST, DIN, PWB, or custom	±200 mV	Zero and saturation	Zero and saturation	±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-35632-32	WD-35632-34	pH/RDO 450 meter only	Meter and two AA batteries
WD-35632-30	WD-35632-31	pH/RDO 450 meter with probes	Meter, pH probe 35805-23, RDO probe 35640-53, sensor cap, and two AA batteries
WD-35632-80	WD-35632-81	pH/RDO 450 meter kit	Meter, pH probe 35805-23, RDO probe 35640-53, sensor cap, RDO weight, calibration tube, calibration solutions, two AA batteries, and hard carrying case

## Accessories

**WD-35805-23 Replacement pH electrode.** Single-junction; epoxy body; 10 ft (3-m) BNC connector  
**WD-35618-05 ATC probe.** Use with any standard pH electrode for temperature compensation  
**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-35608-51 Hard carrying case,** fits all 150/450 meter configurations  
**WD-35640-58 RDO calibration chamber**  
**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

Multiparameter