

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



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 1/8" 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