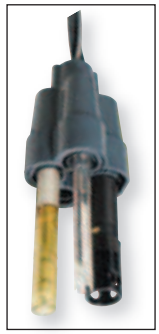
PCD 650 pH/Conductivity/ Dissolved Oxygen Meter

All three parameters, plus temperature, measured and displayed simultaneously!



Left: PCD 650 meter

Right: Multiprobe holder makes it easy to manage probes simultaneously.

Durable waterproof and dustproof design with IP67 rating

▼ Even with no probes attached and the battery compartment open

Push-button calibration for all parameters

▼ 6 points each for pH and conductivity; 3 points for DO

Large back-light graphic display

▼ Multi-line display with electrode status indicator, calibration data, and more

User-settable "calibration due" alarm

▼ Out-of-date or unperformed calibrations are now things of the past!

Built-in real-time clock

▼ Time-and-date stamping meets Good Laboratory Practice (GLP) standards

Store up to 500 data sets

▼ Infrared IrDA wireless technology makes PC downloading convenient and easy

Set point alarms

▼ Audible warning when readings are outside set points limit

Research-grade accuracy

▼ Resolution to 0.001 pH and accuracy to ±0.002 pH

Electrode status indicator

▼ Calibration data provides electrode diagnostic tool

Password protection

▼ Security for calibration and setup menus

See pages 25–30 for more pH electrodes; page 46 for conductivity cells; page 52 for DO probes.

Specifications

Mode		PCD 650 meters
Range	pH	–2.000 to 20.000 pH
	Ion	0.001 to 19,900 ppm, molar, or mg/L
	mV	±2000 mV
	Conductivity	0 to 500.0 mS
	TDS	0 to 500 ppt
	Salinity	0 to 80 ppt
	Resistivity	0 to 20.00 MΩ
	DO	0.00 to 20.00 mg/L (ppm), 0.0 to 200.0%
	Temperature	–10.0 to 110.0°C (14.0 to 230.0°F), selectable
Resolution	pH	0.1/0.01/0.001 pH
	Ion	2 or 3 digits
	mV	0.1 mV
	Conductivity	±0.05 % full-scale
	DO	0.01 mg/L (ppm), 0.1%
	Temperature	0.1°C (0.1°F)
Accuracy	pH	±0.002 pH
	Ion	±0.5% full-scale (monovalent); ±1% full scale (divalent)
	mV	±0.2 mV
	Conductivity	±1% full-scale
	DO	±0.2 mg/L; ±2%
	Temperature	±0.5°C (±0.9°F)
Calibration	pH	Up to 6 buffer values (select from 4 sets): USA 1.68, 4.01, 7.01, 10.01, 12.45; NIST: 1.68, 4.01, 6.86, 9.18, 12.45; DIN: 1.09, 2.06, 4.65, 6.79, 9.23, 12.75, or custom buffers
	Ion	Up to 6 points
	Conductivity	Manual up to 5 points (1 per range); automatic up to 4 points (84.0 µS/cm; 1413 µS/cm; 12.88 mS/cm, 111.8 mS/cm)
	DO	Two points; 100% and 0%
	Temperature	Offset 0.1°C (0.1°F) increments

TDS factor: 0.40 to 1.00
Cell constant: 0.100 to 10.000
DO salinity correction
Range: 0.0 to 50.0 ppt
Resolution: 0.1 ppt
DO pressure correction
Range: 500 to 1499 mm Hg, 66.6 to 199.9 kPa
Resolution: 1 mm Hg, 0.1 kPa
Memory: up to 500 sets with GLP date and time
Output: infrared, IrDA
Real-time clock: time-and-date stamp on calibration and stored data

Temperature normalization: 15 or 30 °C
Temperature coefficient: linear or pure
Temperature compensation: automatic or manual (selectable) from 0 to 100°C
Ambient operating temperature: 0 to 50°C (32 to 122°F)
Power: four 1.5 V AA batteries (included) or optional universal AC adapter, up to 200 hours continuous use
Dimensions
Meter: 7.25"L x 3.25"W x 2.25"H
Boxed: 9.2"L x 9.2"W x 2.75"H (23 x 23 x 7 cm)
Weight
Meter: 1.0 lb (0.45 kg); Boxed: 2.0 lb (0.9 kg)

Ordering Information

Catalog number	Description	Included
WD-35434-02	PCD 650 meter only	Meter and batteries
WD-35434-00	PCD 650 meter	Meter, "All-in-One" electrode 35816-77, conductivity cell 35408-57, DO probe 35640-50, and batteries
WD-35434-70	PCD 650 meter kit	Meter, "All-in-One" electrode 35816-77, conductivity cell 35408-57, DO probe 35640-50, calibration standards (60 mL each of pH 4.01, pH 7.00, 1413 µS/cm, and 12.88 mS solution), rubber boot, multiprobe holder, batteries, and hard carrying case

WD-35816-77 "All-in-One" pH electrode with built-in ATC; double junction, epoxy body, 10-ft cable with BNC connector

WD-35418-05 ATC probe. Use for temperature compensation with any pH electrode without built-in ATC

WD-35408-57 Conductivity cell, 2-electrode, K = 1

WD-35640-50 DO probe with 10-ft cable

WD-35434-85 Multiprobe holder. Holds one each pH, conductivity, DO, and temperature probes

WD-35418-83 Optional adapter, 110/220 VAC