

## PD 650 pH/ Dissolved Oxygen Meter

Ideal for wastewater and aquaculture!

**Durable waterproof and dustproof design with IP67 rating** – Even with no probes attached

**Push-button calibration for all parameters** – 6 points each for pH and conductivity; 3 points for DO

**Large backlit graphic display** – Multiline 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**User-settable “calibration due” alarm** – Out-of-date or unperformed calibrations are now things of the past!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  $\pm 0.002$  pH

**Electrode status indicator** – Calibration data provides electrode diagnostic tool

**Password protection** – Security for calibration and setup menus

**Rugged rubber boot** – Protects meter from impact (optional; included with kit)



ISO9001:2008  
CERTIFIED SUPPLIER

CE  
3 year  
warranty  
meter only

### Specifications

Model	PD 650 meter
<b>Range</b>	pH
	–2.000 to 20.000 pH
	Ion
	0.001 to 19,900 ppm, molar, or mg/L
	mV
<b>Resolution</b>	±2000 mV
	DO
	0.00 to 90.00 mg/L (ppm), 0.0 to 600.0%
	Temperature
	–10.0 to 110.0°C (14.0 to 230.0°F), selectable
<b>Accuracy</b>	pH
	0.1/0.01/0.001 pH
	Ion
	2 or 3 digits
	mV
<b>Calibration</b>	0.1 mV
	DO
	0.01 mg/L (ppm), 0.1%
	Temperature
	0.1°C (0.1°F)
<b>Accuracy</b>	pH
	±0.002 pH
	Ion
	±0.5% full-scale (monovalent); ±1% full-scale (divalent)
	mV
<b>Calibration</b>	±0.2 mV
	DO
	±0.2 mg/L; ±2.0%
	Temperature
	±0.5°C (0.9°F)
<b>Calibration</b>	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
	DO
	Two points; 100% and 0%
<b>Calibration</b>	Temperature
	Offset 0.1°C (0.1°F) increments

#### 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 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:** 7½" L x 3¼" W x 2¼" H (19 x 9.5 x 5.7 cm)

**Boxed:** 9½" L x 9½" W x 2¾" H (23 x 23 x 7 cm)

#### Weight

**Meter:** 1 lb (0.5 kg); **Boxed:** 2 lb (0.9 kg)

### Ordering Information

Catalog number	Precalibrated catalog number	Description	Included
WD-35432-02	WD-35432-03	PD 650 meter only	Meter and batteries
WD-35432-00	WD-35432-01	PD 650 meter	Meter, pH electrode 35816-77, DO probe 35640-50, and batteries
WD-35432-70	WD-35432-71	PD 650 meter kit	Meter, pH electrode 35816-77, DO probe 35640-50, calibration standards (60 mL each of pH 4.01, pH 7.00, electrode storage solution, and rinse water), rubber boot, multiprobe holder, batteries, and hard carrying case

**WD-35816-77 pH electrode:** double junction, epoxy body, 10-ft (3-m) cable with BNC connector

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

**WD-35640-50 DO probe** with 10-ft (3-m) cable

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

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

**WD-35418-86 Protective rubber boot**



**Optional rubber boot (included with kit) provides added protection.**

See pages 23–29  
for more pH electrodes;  
page 50 for DO probes.