

PC 650 pH/Conductivity Meter

Two most common electrochemistry measurements in one convenient meter!

Durable waterproof and dustproof design with IP67 rating

- ▼ Even with no probes attached and the battery compartment open

Push-button pH calibration at up to six points

- ▼ Up to 15 buffer options with auto-buffer recognition of USA, NIST, DIN, and PWB standards

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- ▼ Out-of-date or unperformed calibrations are now things of the past!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



Left: Software included to interface to your computer.



Right: PC 650 meter

ISO9001:2000
SUPPLIER CERTIFIED

CE 3 year warranty

Specifications

	Mode	PC 650 meter
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 M Ω
	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
Accuracy	Temperature	0.1°C (0.1°F)
	pH	± 0.002 pH
	Ion	$\pm 0.5\%$ full-scale (monovalent); 1% full-scale (divalent)
	mV	± 0.2 mV
Calibration	Conductivity	1% full-scale
	Temperature	$\pm 0.5^\circ\text{C}$ ($\pm 0.9^\circ\text{F}$)
	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 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$; 12.88 mS/cm, 111.8 mS/cm)
	Temperature	Offset 0.1°C (0.1°F) increments

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: 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-35431-02	PC 650 meter only	Meter and batteries
WD-35431-00	PC 650 meter	Meter, "All-in-One" electrode 35816-77, conductivity cell 35408-57, and batteries
WD-35431-70	PC 650 meter kit	Meter, "All-in-One" electrode 35816-77, conductivity cell 35408-57, calibration standards (60 mL each of pH 4.01, pH 7.00, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS solution), rubber boot, two electrode holders, 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-35434-85 Multiprobe holder. Holds one each pH, conductivity, DO, and temperature probes

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

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