

pH/Ion — Handheld Meters

pH 620 Meter

Research-grade ion-selective performance in a waterproof portable unit

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

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User-settable “calibration due” alarm – Out-of-date or unperformed calibrations are now things of the past!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

pH 620 meter shown with rubber boot from 35418-90 kit.



ISO 9001:2008
CERTIFIED SUPPLIER

3 year
warranty
meter only

Specifications

	Model	pH 620 meter
Range	pH	-2.000 to 19.999 pH
	Ion	0.001 to 19,900 ppm, molar, or mg/L
	mV	± 2000 mV
	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
	Temperature	0.1°C (0.1°F)
Accuracy	pH	± 0.002 pH
	Ion	$\pm 0.5\%$ full-scale (monovalent); $\pm 1\%$ full-scale (divalent)
	mV	± 0.2 mV
	Temperature	$\pm 0.5^\circ\text{C}$ ($\pm 0.9^\circ\text{F}$)
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
	mV	Offset up to ± 150 mV
	Temperature	Offset 0.1°C or 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 500 hours continuous use

Dimensions

Meter: 7¼" L x 3¼" W x 2¼" H (18.4 x 8.3 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-35418-22	WD-35418-23	pH 620 meter only	Meter and batteries
WD-35418-20	WD-35418-21	pH 620 meter with probe	Meter, "All-in-One" probe 35816-71, and batteries
WD-35418-90	WD-35418-91	pH 620 meter kit	Meter, "All-in-One" probe 35816-71, pH buffers (60 mL each of 4.01, 7.00, electrode storage solution, and rinse water), two electrode holders, rubber boot, batteries, and hard carrying case

WD-35816-71 Replacement "All-in-One" pH/temperature probe, single-junction, epoxy body

WD-35816-72 "All-in-One" pH/temperature probe, double-junction, epoxy body

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

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



IrDA data connectivity



Large, detailed display