

pH/Ion — Handheld Meters

Ion 6+ Meter

Direct readout of ion concentration at an affordable price!

Use with pH or most ISE electrodes with BNC connectors – The ± 500 mV range covers the vast majority of ISEs

mV measurement mode – Allows you to check performance and calibration of your ion-selective electrode

Simple to use – Preprogrammed calibration points allow even beginners to take readings in minutes!

pH and temperature (°C) readout – With high ± 0.01 pH/ $\pm 0.5^\circ\text{C}$ accuracy

Automatic temperature compensation (ATC) for pH – For the highest accuracy in changing temperature conditions

Compact size – Take your Ion 6+ meter anywhere!

All push-button operation – For fast, easy use

Hold and Auto-off functions

Built-in stand for benchtop or long-term use

Protective boot – Helps shield your meter from drops and dings



35613-82



Meter includes protective rubber boot and a built-in stand.

See pages 28–29
for ion-selective
electrodes

Specifications

ISO9001:2008
CERTIFIED SUPPLIER

3 year
warranty
meter only

Mode	Ion	mV	pH	Temperature
Range	0.01 to 1999 units	-500 to +500 mV	0.00 to 14.00 pH	0.0 to 100.0°C
Resolution	0.01 unit (0.01 to 0.99 units), 0.1 unit (0.1 to 199.9 units), 1 unit (200 to 1999 units)	0.1 mV within ± 199.9 mV, 1 mV beyond ± 200 mV	0.01 pH	0.1°C
Accuracy	$\pm 1\%$ full-scale	± 0.2 mV within ± 199.9 mV, ± 2 mV beyond ± 200 mV	± 0.01 pH	$\pm 0.5^\circ\text{C}$
Calibration	2 or 3 points; 0.1, 1, 10, 100 ppm (minimum 2 points)	Not available	Up to 5 buffer values From standard USA or NIST buffer sets, auto-buffer recognition	Offset 0.1°C increments

Minimum slope during ion calibration: 40 mV/decade for monovalent ions; 20 mV/decade for divalent ions

pH slope range: 80 to 120%

Temperature compensation: manual or automatic from 0.0 to 100.0°C

Operating temperature: 0 to 50°C (32 to 122°F)

Power: four 1.5 V AAA batteries (included),
>200 hours continuous use

Dimensions

Meter: 5½" x 2¼" x 1⅝" (14 x 7 x 3.5 cm)

Boxed: 9¼" x 6½" x 3" (23.5 x 16.5 x 7.5 cm)

Weight

Meter only: 0.9 lb (0.4 kg); **Boxed:** 1 lb (0.5 kg)

Ordering Information

Catalog number	Precalibrated catalog number	Description	Included
WD-35613-80	WD-35613-81	Ion 6+ meter only	Meter, protective rubber boot, and batteries
WD-35613-82	WD-35613-83	Ion 6+ meter kit	Meter; single-junction, epoxy-body pH electrode; ATC probe; sample bottles; calibration buffer pouches; carrying case; protective rubber boot; and batteries

Accessories

WD-35811-71 "All-in-One" single-junction, epoxy-sealed pH electrode

WD-35613-05 Replacement ATC probe