

Ion 700 Meter

Measure pH, mV, and direct ion concentration without sacrificing your budget, quality or performance!

Small footprint saves bench space – Gives you more working room in the lab

Direct readout of ion concentration in ppm – Resolution to 0.01 ppm

Oversized dual display for easier viewing – LCD shows measured parameter and temperature in pH/mV modes; ion concentration and mV (electrode output) in ion mode

Features 0.1 mV resolution for ORP measurements

Simultaneous display of ppm and mV electrode output in the ion mode – Verify electrode operation while taking measurements

Selectable buffer sets and five-point pH calibration with auto buffer recognition – Choose from USA or NIST buffer sets

Works with many ion-selective electrodes – The ± 1999 mV range covers most ISEs

Built-in electrode stand – Holds electrode firmly in place

Selectable manual or automatic temperature compensation – For highest accuracy in any situation

Built-in memory function – Stores up to 100 ion, mV, or pH readings

Hold function, "Ready" indicator, diagnostic messages

Slide-out instruction card for quick reference



Drinking Water



Food

Ion-selective and pH electrodes are available on pages 23–29.



New

The Ion 700 meter includes a removable electrode holder and handy slide-out instruction card.

35419-22

ISO9001:2000
CERTIFIED SUPPLIER



3 year
warranty
meter only

Specifications

Mode	pH	mV	Ion	Temperature
Range	-2.00 to 16.00 pH	± 2000 mV	0.01 to 2000 ppm	0.0 to 100.0°C (32 to 212°F)
Resolution	0.01 pH	0.1 mV from ± 199.9 mV, 1 mV beyond ± 199.9 mV	0.01 ppm from 0.01 to 0.99 ppm, 0.1 ppm from 1.0 to 199.9 ppm, 1 ppm from 200 to 1999 ppm	0.1°C or 0.1°F
Accuracy	± 0.01 pH	± 0.2 mV from ± 199.9 mV, ± 2 mV beyond ± 199.9 mV	$\pm 0.5\%$ of reading (monovalent) $\pm 1.0\%$ of reading (divalent)	$\pm 0.3^\circ\text{C}$ ($\pm 0.5^\circ\text{F}$)
Calibration	Up to 5 points (USA: 1.68, 4.01; 7.00; 10.01; 12.45 or NIST: 1.68, 4.01, 6.86; 9.18, 12.45); auto-buffer recognition	Offset up to ± 150 mV	From 2 to 5 points, 0.1; 1; 10; 100 ppm, 1 or 1000	Offset 0.1°C increments

Temperature compensation: selectable manual or automatic from 32 to 212°F (0 to 100°C)

Memory: up to 100 sets

Output: None

Display: 3¼" x 2⅞" (7.3 x 6.2 cm) dual LCD with temperature and mode annunciators

Error messages: diagnose operator error, electrode error, and meter error. Pull-out instruction card decodes message

Operating temperature: 5 to 45°C (41 to 113°F), noncondensing humidity

Power: 100/240 VAC, 50/60 Hz using AC adapters (included). AC adapters are UL and CSA listed.

Dimensions

Meter: 6⅞" x 6⅞" x 2¼" (15.5 x 17.5 x 6.9 cm)

Boxed: 9" x 12¼" x 5" (23 x 35 x 12.5 cm)

Weight

Meter only: 1.4 lb (0.6 kg); **Boxed:** 4 lb (1.8 kg)

Ordering Information

Catalog number	Description	Included
WD-35419-22	Ion 700 meter with electrode holder	Meter, removable electrode holder, and AC adapter
WD-35419-20	Ion 700 meter with probes	Meter, double-junction pH electrode 35805-04, temperature probe 35613-13, electrode holder, and AC adapter
WD-35419-23	Ion 700 meter with pH/ATC probe	Meter, "All-in-One" single-junction pH electrode 35811-71, electrode holder, and AC adapter