

OAKTON® Benchtop pH 700 and Ion 700 Meters

Designed for today's crowded laboratory benchtops!

- Compact footprint is over 40% smaller than other benchtop meters
- Large display permits easier readout viewing
- Datalogging allows you to store and recall up to 100 data sets

Oakton benchtop 700-series meters are designed for use in crowded laboratory settings. Compact footprint of less than 6" x 7" (16 x 18 cm) conserves valuable space, while the large, dual-display LCD provides excellent visibility—even from a distance.

pH 700 meter measures pH, mV, relative mV, and temperature. Ion 700 meter adds ion concentration measurement and reads directly in ppm for easy use. Automatic temperature compensation (ATC) maintains reading accuracy even with fluctuating temperatures. Both models feature five-point pH calibration with automatic buffer recognition for both USA (pH 1.68, 4.01, 7.00, 10.01, 12.45) and NIST (pH 1.68, 4.01, 6.86, 9.18, 12.45) pH buffers. Ion 700 meter additionally features ion concentration calibration of up to 5 points.

Meter features include Auto-Hold, selectable °F or °C measurement, and easy recall of electrode slope or offset. The convenient pull-out quick reference card keeps procedures handy at all times. Use 700-series meters with any pH, ORP, or ISE (Ion 700 meter only) electrodes with a BNC connector.

What's included: universal 100/240 VAC power adapter.

pH mV ISE °C/°F

NEW



pH 700 meter
35419-12

Ion 700 meter
35419-22

Applications

- Education
- Environmental studies
- Chemical labs
- QA testing

Specifications

Slope control: 80 to 120% **Operating temperature:** 32 to 122°F (0 to 50°C)

ISO9001:2000 CERTIFIED SUPPLIER CE 3 year warranty

Description	pH 700	Ion 700
Range	pH: -2.00 to 16.00 mV/Rel mV: ±2000 ISE: —	pH: -2.00 to 16.00 mV/Rel mV: ±2000 ppm: 0.01 to 2000 ppm
Resolution	pH: 0.01 pH mV/Rel mV: 0.1 within ±199.9 mV, 1 beyond ±199.9 mV ISE: — Temperature: 0.1°F or °C	pH: 0.01 pH mV/Rel mV: 0.1 within ±199.9 mV, 1 beyond ±199.9 mV ppm: 0.01 to 2000 ppm Temperature: 0.1°F or °C
Accuracy	pH: ±0.01 pH mV/Rel mV: ±0.2 within ±199.9 mV, ±2 beyond 199.9 mV ISE: — Temperature: ±0.9°F (±0.5°C)	pH: ±0.01 pH mV/Rel mV: ±0.2 within ±199.9 mV, ±2 beyond 199.9 mV ppm: ±0.5% of reading (monovalent); ±1% of reading (divalent) Temperature: ±0.9°F (±0.5°C)
Calibration	pH: Up to 5 points with autobuffer recognition mV: Up to ±150 mV offset adjustment ISE: —	pH: Up to 5 points with autobuffer recognition ppm: Up to ±150 mV offset adjustment ppm: From 2 to 5 consecutive points (0.1, 1.0, 10.0, 100.0, 1000 ppm)
Temperature compensation	Automatic or manual from 32 to 100°F (0 to 100°C)	Automatic or manual from 32 to 100°F (0 to 100°C)
Buffer recognition	USA or NIST buffer sets	USA or NIST buffer sets
Datalogging	100 data sets	100 data sets
Display	Custom 3/4" x 2 1/8" (8.3 x 6.2 cm) LCD	Custom 3/4" x 2 1/8" (8.3 x 6.2 cm) LCD
Power	100/240 VAC, 50/60 Hz	100/240 VAC, 50/60 Hz
Dimensions (L x W x H)	6 1/8" x 6 7/8" x 2 3/4" (15.5 x 17.5 x 6.9 cm)	6 1/8" x 6 7/8" x 2 3/4" (15.5 x 17.5 x 6.9 cm)

Catalog number	Model	Description	Price
SN-35419-00	pH 700	Meter only	
SN-35419-03	pH 700	Meter with "all-in-one" pH/ATC electrode	
SN-35419-23	Ion 700		
SN-35419-10	pH 700	Meter with double-junction pH electrode, ATC probe, and removable electrode holder	
SN-35419-20	Ion 700		
SN-35419-12	pH 700	Meter with removable electrode holder	
SN-35419-22	Ion 700		

Accessories

- SN-59001-65 **Combination pH electrode**; single junction, gel-filled, epoxy body.
- SN-59001-70 **Combination pH electrode**; double junction, gel-filled, epoxy body.
- SN-35811-71 **"All-in-one" combination pH electrode**; single junction, gel-filled, epoxy body.
- SN-35805-04 **Replacement combination pH electrode**; double junction, refillable, glass body.
- SN-35613-13 **Replacement ATC probe**, SS.
- SN-17106-20 **NIST-traceable calibration** with data for pH ion meters.