

OAKTON® Benchtop pH 510 and Ion 510 Meters

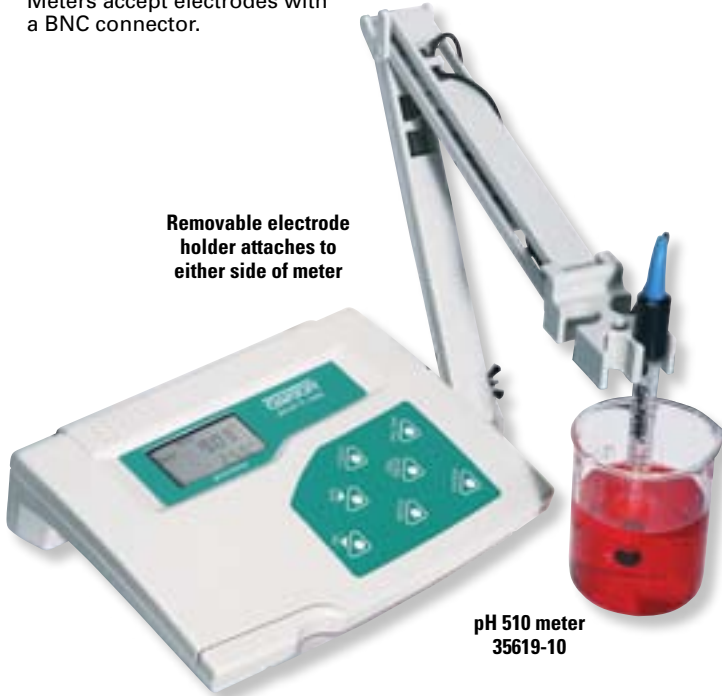
Advanced features at an economical price!

- Store and recall 50 readings in memory
- Feature a simple push-button keypad—ideal for use in the lab or plant

These easy-to-use, microprocessor-based meters feature HOLD, ATC, recorder output, and electrode diagnostics. The convenient pull-out quick reference card keeps procedures handy at all times. The large, dual-display LCD provides excellent visibility—even from a distance. Meters accept electrodes with a BNC connector.

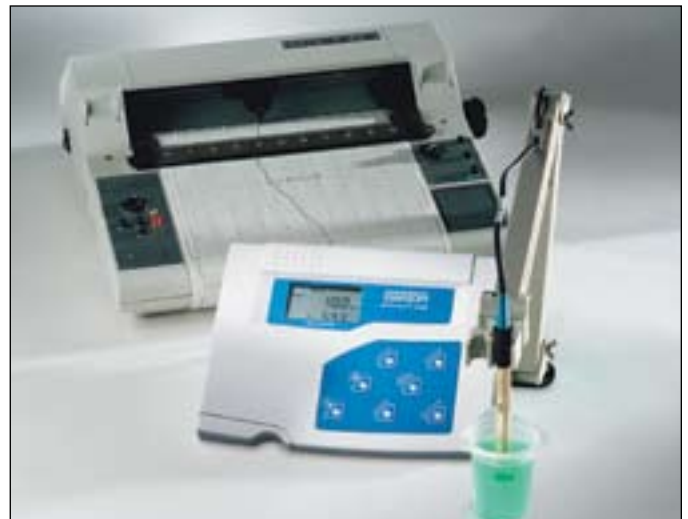
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To find a variety of ion-selective electrodes for your application.



Removable electrode holder attaches to either side of meter

**pH 510 meter
35619-10**



Ion 510 meter 35619-20

pH 510 Meter measures pH, temperature, and relative mV. Automatic temperature compensation (ATC) maintains reading accuracy even with fluctuating temperatures. Three-point pH calibration, with automatic buffer recognition for both USA (pH 4.01, 7.00, 10.01) and NIST (pH 4.01, 6.86, 9.18) pH buffers, makes for easy calibration no matter which requirement you need to meet. Create hard copies of your data by using the recorder output.

Ion 510 Meter offers all the same features as our pH 510 meter plus additional ion measurement capabilities. Meter measures ion concentration with direct readout in ppm. Verify electrode operation while taking measurements with the dual ppm and mV display. Up to three ion-concentration standards (choose from 0.1, 1.0, 10.0, or 100.0 ppm) may be calibrated. The Ion 510 works with all ion-selective electrodes with BNC connectors.

Specifications & Ordering Information



Slope control: 80 to 120% **Input impedance:** >10¹² Ω **Operating temperature:** 0 to 50°C

pH 510 and Ion 510 meters		
Range	pH	0.00 to 14.00 pH
	mV	±1000 mV
	Temperature	0 to 100.0°C
Resolution	pH	0.01 pH
	mV	0.1 mV within ±199.9 mV, 1 mV beyond ±199.9 mV
	Temperature	0.1°C
Accuracy	pH	±0.01 pH
	mV	0.2 mV within ±199.9 mV, 2 mV beyond ±199.9 mV
	Temperature	±0.5°C
Temp compensation		Manual or automatic from 0 to 100.0°C
Buffer recognition		Three points (select NIST or USA buffer sets)
Datalogging capabilities		50 data points
Output		±1999 mV, 1 mV/mV unit
Display		Dual LCD with mode annunciators
Power		110/220 VAC
Dimensions		9"L x 7"W x 2 3/8"H
Ion 510 meter only		
Range	Concentration	0.01 to 1999 ppm
Resolution	Concentration	0.01 ppm from 0.01 to 0.99 ppm,
		0.1 ppm from 0.1 to 199.9 ppm,
		1 ppm from 200 to 1999 ppm
Accuracy	Concentration	±5% of reading

Catalog number	Model	Description	Price
KH-35619-02	pH 510	Meter only	
KH-35619-03	pH 510	Meter with "all-in-one" electrode	
KH-35619-23	Ion 510		
KH-35619-10	pH 510	Meter with double-junction pH electrode, ATC probe, and removable swing-arm electrode holder	
KH-35619-20	Ion 510		
KH-35619-12	pH 510	Meter with removable swing-arm electrode holder	
KH-35619-22	Ion 510		

Accessories

- [KH-59001-65](#) Combination pH electrode;** single junction, gel-filled. Epoxy body, BNC connector
- [KH-59001-70](#) Combination pH electrode;** double junction, gel-filled, epoxy body, BNC connector
- [KH-35805-04](#) Replacement combination pH electrode;** double junction, glass body, refillable, BNC connector
- [KH-35613-05](#) Replacement ATC probe,** SS
- [KH-17106-20](#) NIST-traceable calibration certificate** for pH meter