

Waterproof ISFET pH Testers

Ion specific field effect transistor (ISFET) uses a silicon chip pH sensor

- Sensor stores dry and needs little maintenance
- Fast response time

These compact, waterproof pH meters can measure samples as small as one drop. The virtually unbreakable sensor eliminates breakage problems associated with fragile glass pH sensors. Advanced model offers three-point calibration and auto buffer recognition.

What's included: calibrating buffers, case, and batteries.



59541-00

Specifications & Ordering Information



Range: 2.0 to 12.0 pH	Buffer recognition: Standard model: none Advanced model: automatic	Power: two CR-2032 lithium 3 V batteries (included)
Resolution: 0.1 pH		Battery life: 200 hours continuous, 10 hour advance low-battery warning
Accuracy: ±0.1 pH		
Temp compensation: automatic	Reference: replaceable KCl gel filled	
Calibration: Standard model: 1 pt Advanced model: 1, 2, or 3 pts	Operating temperature: 41 to 104°F (5 to 40°C)	Dimensions: 5 1/2" L x 1" W x 5/8" H
	Display: LCD	

Catalog number	Description	Price
K-59541-00	Standard ISFET pH meter	
K-59541-10	Advanced ISFET pH meter	

[K-59541-50](#) Replacement reference

[K-59541-51](#) Nylon carrying case

"Cardy" pH and Ion Meters

Measure samples as small as 150 µL without immersing in solution!

"Cardy" Twin pH Meter

- Waterproof housing is submersible to 1 meter for up to 30 minutes—plus it floats!
- Temperature alarm alerts you when sample falls outside temperature range
- Auto-shutoff and low-battery indicator provide added convenience



05759-00

Use this pocket-sized, waterproof meter anywhere. Built-in sensor lets you take measurements two ways: by simply immersing meter tip in sample, or by placing a small amount of your sample directly on the sample pad. Results are instantly displayed on the convenient 3 1/2-digit LCD. Two-point autocalibration combines with buffer recognition at pH 4.00 and 7.00 buffer values for simple, quick calibration. Order replacement sensor cartridges and solution kits separately below.

What's included: hard carrying case, batteries, and a solution kit containing calibrating solution and deionized water.

"Cardy" Compact Ion Meters

- Two-point autocalibration
- Automatic range selection
- Calibration and slope adjustment

These portable meters have unique built-in sensor cartridges—no more bulky probes or cables. To use your "Cardy" meter, simply place a small amount of sample directly onto the sensor and read the 3 1/2-digit LCD. Meter is never immersed in your solution, eliminating contamination worries and sample waste. Ideal for use in food processing or research applications. Order replacement sensor cartridges and solution kits from tables below.



05754-00

What's included: calibration solution, deionized water, tweezers, a pipet, sampling sheets, and batteries.

Specifications & Ordering Information

Minimum sample size: 150 µL

Power

pH meter: two CR-2032 3 V lithium batteries (included)
Ion meters: two CR-2025 3 V lithium batteries (included)

Battery life:

average 500 hours with continuous use

Calibration: two-point

Description	Twin pH meter		Compact ion meters			
	K-05759-05	K-05753-00	K-05754-00	K-05755-00	K-05760-00	
Type	pH	Salinity (NaCl)	Sodium (Na+)	Potassium (K+)	Nitrate (NO ₃ -)	
Range	pH 2.00 to 12.00	0.1 to 10% (in % wt)	23 to 2300 ppm	39 to 3900 ppm	62 to 6200 ppm	
Resolution	0.01 pH	0.01% from 0.1 to 0.99%, 0.1% from 1.0 to 10.0%	1 ppm from 23 to 99 ppm, 10 ppm from 100 to 990 ppm, 100 ppm from 1000 to 2300 ppm	1 ppm from 39 to 99 ppm, 10 ppm from 100 to 990 ppm, 100 ppm from 1000 to 3900 ppm	1 ppm from 62 to 99 ppm, 10 ppm from 100 to 990 ppm, 100 ppm from 1000 to 6200 ppm	
Repeatability	±0.1 pH	±0.1%	±20% of reading	±20% of reading	±20% of reading	
Dimensions	1 1/4"W x 6 1/4"H x 3/4"D	2 3/16"W x 3 3/4"H x 3/8"D	2 3/16"W x 3 3/4"H x 3/8"D	2 3/16"W x 3 3/4"H x 3/8"D	2 3/16"W x 3 3/4"H x 3/8"D	
Price						

Replacement Sensor Cartridges

Cat. no.	Measuring type	Price
K-05759-50	pH	
K-05753-50	Salinity (NaCl) and Sodium (Na+)	
K-05755-50	Potassium (K+)	
K-05760-50	Nitrate (NO ₃ -)	

Replacement Solution Kits

Solution kits contain four bottles of deionized water and four bottles of calibrating solution.

Cat. no.	Measuring type	Price
K-05758-60	pH	
K-05753-70	Salinity (NaCl)	
K-05754-60	Sodium (Na+)	
K-05755-60	Potassium (K+)	
K-05760-60	Nitrate (NO ₃ -)	

Accessories

[K-35624-45](#) Carrying case, soft. Holds meter and two solutions

[K-05753-80](#) Replacement solution sheets for all meters. Pack of 5 rolls

[K-09376-17](#) Replacement batteries; CR-2032 lithium, 3 V. Pack of 6

[K-05944-05](#) Replacement batteries; CR-2025 lithium, 3 V. Pack of 6