



### Spherical tip

Provides maximum surface area for accurate measurements.

HI9810412

# HALO2



Hanna Lab App  
Compatible

The Hanna Lab App is  
available on the App Store®  
and on Google Play.

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## Wireless pH Tester for Lab

with built-in general purpose electrode

Accurate, and easy to use, HALO2 Wireless pH Tester for Lab is ideal for users that prefer a maintenance-free laboratory pH electrode. The HI9810412 can be used as a stand-alone pH tester or can be connected to the Hanna Lab App.

- The integrated Bluetooth module allows the tester to be connected to a compatible smart device with the Hanna Lab App
- Compact, waterproof casing, and automatic pH calibration at up to three points, or four points when used with the Hanna Lab App
- Automatically temperature compensated readings

pH

HALO2 Specifications	HI9810412
Range	pH 0.00 to 12.00 pH
	mV* pH/mV conversion
	Temperature** -5.0 to 80.0 °C (23.0 to 176.0 °F)
Resolution	pH 0.01 or 0.1 pH
	mV* 0.1 or 1 mV
	Temperature 0.1 °C; 0.1 °F
Accuracy	pH ±0.02 pH
	Temperature ±0.5 °C; ±0.9 °F
Calibration	Up to three points or four points * Automatic buffer recognition with Standard buffers Hanna (pH 1.68 *, 4.01, 7.01, 10.01) or NIST (pH 1.68 *, 4.01, 6.86, 9.18)
Temperature compensation	Automatic (ATC) or Manual (MTC) *
Electrode	Body material Glass
	Glass Low Temperature (LT)
	Junction Ceramic
	Reference cell Double, Ag/AgCl
	Electrolyte Gel
	Tip / Shape Spheric
	Outer diameter 12 mm (0.5")
	Length 120 mm (4.7")
Battery type	CR2032 3V Lithium
Battery life	Approximately 1000 hours (500 hours with Bluetooth enabled)
Environment	0 to 50 °C (32 to 122 °F)
IP rating	IP65
Dimensions / Weight	51 x 195 x 21 mm (2.0 x 7.7 x 0.8") / 60 g (2.1 oz.)

**HI9810412** (HALO2) is supplied with a starter kit consisting of: pH 4.01 buffer solution sachet (2 pcs.), pH 7.01 buffer solution sachet (2 pcs.), Electrode cleaning solution sachet (2 pcs.), Electrode storage solution (13 mL dropper bottle), 3V Lithium battery - CR2032, Instrument quality certificate and Instruction manual.

### Ordering Information

## Electrode Features

### Glass body

The HI9810412 features a non-porous glass body that is easy to clean and withstands harsh chemicals.

### Fast, stable readings

The double junction design presents a silver-free electrolyte solution interacting with the sample, making the electrode less susceptible to clogging and guaranteeing a fast response and stable reading.

### Maintenance free

Gel-filled reference with no fill solutions required. Other than routine calibration and cleaning, this probe is maintenance free.

### Built-in Temperature Sensor

Built-in temperature sensor at the tip of the pH electrode allows for rapid determination of the sample temperature and a high-accuracy temperature reading.

\* Available with Hanna Lab App \*\*Measuring outside the recommended operating temperature range may damage the gel electrolyte and void product warranty. Note: The tester can display measurements from -2.00 to 16.00 pH. Measurements outside of the pH range will flash.

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pH solutions begin on page 2.174, pH electrode cleaning solutions begin on page 2.188

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