

HI9810402

HALO2



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

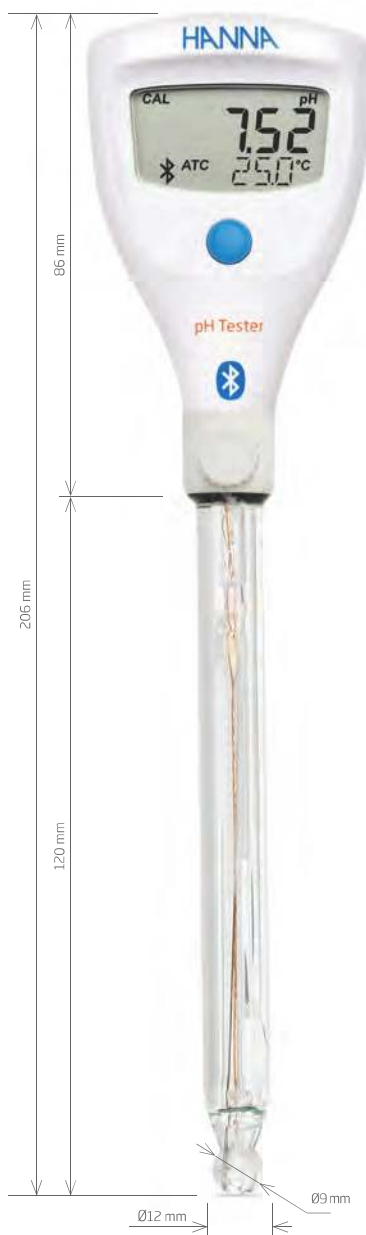
## Wireless Refillable pH Tester for Lab

with built-in general purpose electrode

Accurate, and easy to use, HALO2 Wireless pH Tester for lab is ideal for measurements in samples that would be a challenge for standard design pH electrodes. The HI9810402 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 five points when used with the Hanna Lab App
- Automatically temperature compensated readings

HALO2 Specifications	HI9810402	
Range	pH	0.00 to 14.00 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 five points *	
	Automatic buffer recognition with Standard buffers Hanna (pH 1.68 *, 4.01, 7.01, 10.01, 12.45 *) or NIST (pH 1.68 *, 4.01, 6.86, 9.18, 12.45 *)	
Temperature compensation	Automatic (ATC) or Manual (MTC) *	
Electrode	Body material	Glass
	Glass	High Temperature (HT)
	Junction	Ceramic
	Reference cell	Double, Ag/AgCl
	Electrolyte	3.5M KCl (refillable)
	Tip / Shape	Spheric, Ø9 mm (Ø 0.35")
	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 206 x 21 mm (2.0 x 8.1 x 0.8") / 60 g (2.1 oz.)	
Ordering Information	<p><b>HI9810402</b> (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 (dropper bottle), Electrolyte refill solution (30 mL), Pipette, 3V Lithium battery – CR2032, Instrument quality certificate and Instruction manual.</p>	



### Spherical tip

Provides maximum surface area for accurate measurements.

## Electrode Features

### Glass body

The HI9810402 features a non-porous glass body that is easy to clean and withstands harsh chemicals.

### Refillable

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.

### 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  
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