



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.

2

pH

HALO2

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

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.

App Store is a service mark of Apple Inc., Google Play and the Google Play logo are trademarks of Google LLC. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.