HI9810302

HALO2

Hanna Lab App Compatible

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

Wireless pH Tester for Soil

with built-in specialized electrode

Accurate, and easy to use, the HALO2 Wireless pH Tester for Soil is ideal for agricultural, hydroponics, and greenhouse growers that need to monitor the pH of soil or soil slurries. The HI9810302 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

Easy pH electrode cleaning

The PVDF outer junction sleeve can be removed and cleaned. Once cleaned, a small amount of supplied gel electrolyte is added and the junction is refreshed, improving the measurement and extending the life of the tester.

HALO2 Specifications	HI9810302	
Range	pH	0.00 to 12.00 pH
	mV*	pH/mV conversion
	Temperature**	0.0 to 60.0 °C (32.0 to 140.0 °F)
Resolution	pH	0.01 or 0.1 pH
	mV*	0.1 or 1 mV
	Temperature	0.1 °C; 0.1 °F
Accuracy	pH	±0.05 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	Polyvinylidene Fluoride (PVDF)
	Glass	Low Temperature (LT)
	Junction	Open
	Reference cell	Double, Ag/AgCl
	Electrolyte	Gel (refillable)
	Tip / Shape	Conic, Ø 6 x 10 mm (Ø 0.23 x 0.39")
	Outer diameter	8 mm (0.31")
	Length	75 mm (2.95")
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 150 x 21 mm (2.0 x 5.9 x 0.8") / 45 g (1.6 oz.)	
Ordering Information	**HI9810302** (HALO2) is supplied with a starter kit consisting of: pH 4.01 buffer solution, (2 pcs.), pH 7.01 buffer solution sachet (2 pcs.), Cleaning solution for soil deposits sachet (1 pc.), Cleaning solution for humus deposits sachet (1 pc.), Electrode storage solution (dropper bottle), Gelled bridge electrolyte (dropper bottle), 3V Lithium battery – CR2032, Instrument quality certificate, and Instruction manual	

Electrode Features

Rugged PVDF body

The rugged PVDF electrode body is easy to clean. Resistant to most chemicals (e.g. solvents, sodium hypochlorite), ultraviolet light, and fungal growth, the PVDF body also has high-abrasion resistance and mechanical strength.

Conical tip

The conical tip allows for easy penetration into soil or soil slurries.

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.

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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