



Easy pH electrode cleaning

The PVDF outer junction sleeve can be removed for cleaning, disinfecting, and refreshing (with supplied gel electrolyte) of the outer reference area. 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.

HI9810392

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 Chocolate

with built-in specialized electrode

Accurate and easy to use, HALO2 Wireless pH Tester for Chocolate is ideal for pH measurement during the chocolate making process. The HI9810392 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 HI9810392

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")
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.)	

HI9810392 (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 and disinfection solution for chocolate deposits sachet (2 pcs.), Electrode storage solution, (dropper bottle), Gelled bridge electrolyte (dropper bottle), 3V Lithium battery – CR2032, Instrument quality certificate and Instruction manual.

Ordering Information

Electrode Features

Food grade PVDF body

The food grade PVDF body material is easy to clean and disinfect. 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 solids and semisolids such as chocolate.

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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