



Conical tip

The conical tip allows for easy penetration into solids and semisolids such as cheese.

HI9810322

HALO2



Hanna Lab App
Compatible

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

2

Wireless pH Tester for Cheese

with built-in specialized electrode

Accurate and easy to use, HALO2 Wireless pH Tester for Cheese is designed to measure and monitor pH during the main processing steps of cheese manufacturing and ensure it meets the food-hygiene and Hazard Analysis Critical Control Point (HACCP) regulations. The HI9810322 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 HI9810322

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 *
Calibration	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		Low Temperature (LT)
Junction		Open
Reference cell		Double, Ag/AgCl
Electrolyte		Viscolene
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 146 x 21 mm (2.0 x 5.7 x 0.8") / 45 g (1.6 oz.)	

HI9810322 (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.), Cleaning solution for cheese deposits sachet (2 pcs.), Electrode storage solution (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.

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
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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