HI9810432

# HALO2

Hanna Lab App Compatible

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

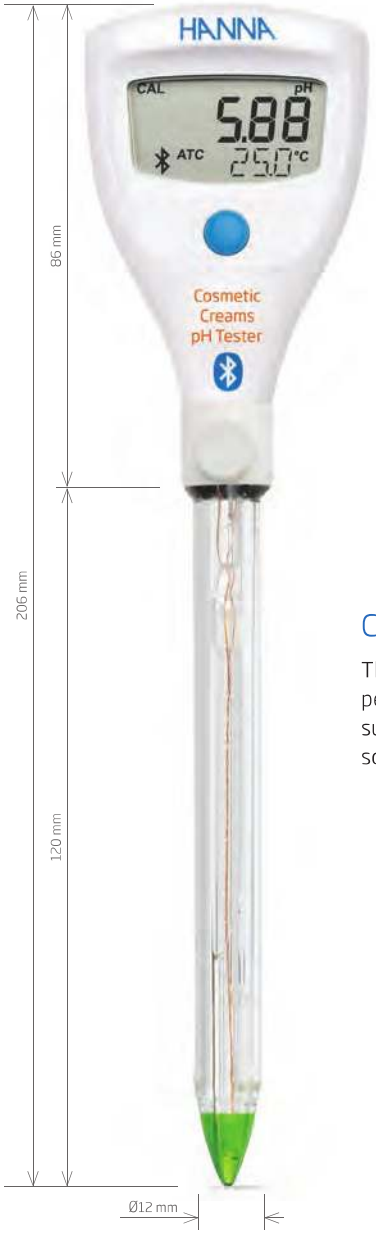
# Wireless Refillable pH Tester for Cosmetic Creams

*with built-in specialized electrode*

Accurate and easy to use, HALO2 Wireless pH Tester for Cosmetic Creams is ideal for measurements in samples that would be a challenge for standard design pH electrodes. The HI9810432 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 | HI9810432 | |
|---|---|---|
| Range | pH | 0.00 to 12.00 pH |
| | mV* | pH/mV conversion |
| | Temperature | -5.0 to 70.0 °C (23.0 to 158.0 °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 | Triple ceramic |
| | Reference cell | Double, Ag/AgCl |
| | Electrolyte | 3.5M KCl (refillable) |
| | Tip / Shape | Conic |
| | 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 | **HI9810432** (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. | |




## Conical tip

The conical glass tip allows for penetration into emulsions such as lotions and creams, soft solids, and semisolids.

# Electrode Features

## Glass body

The HI9810432 features a non-porous, glass body that is easy to clean and withstands harsh chemicals.

## Refillable electrode

The triple ceramic junction allows a higher flow rate of electrolyte from the reference cell into the solution. This high flow rate provides faster electrode response and a more stable measurement in viscous solutions or samples of low conductivity. The triple junction design prevents both clogging and any potential precipitation of silver at the junction. The fill solution will diffuse through the ceramic junction as it is used.

## 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.



pH solutions begin on page 2.174, pH electrode cleaning solutions begin on page 2.188