



# HALO 2

Wireless pH Testers

A pH tester for every application.

15 Application Specific Models

# HALO2

## Wireless pH Testers

- Waterproof to IP65 standards
- Automatic calibration
- Automatic temperature compensation
- Approximately 1000 hours battery life (500 hours with Bluetooth enabled)
- The integrated Bluetooth module allows the tester to be connected to a compatible smart device with the Hanna Lab App
- Universal Connectivity
  - Connect seamlessly to the Hanna Lab App via Bluetooth wireless technology and with our open-API software our HALO2 series can integrate directly with your current Laboratory Information Management System (LIMS).
- Large LCD
- One button operation



### Hanna Lab App

When used with HALO2, the Hanna Lab App turns a compatible smart device into a full-featured pH meter. Features include: electrode condition, GLP with time-stamp, live-readings, mV resolution, manual temperature compensation, stability criteria, calibration reminder, pH (mV) and temperature alarms, tester ID, and data sharing.

HI9810402

## HALO2 for Lab

(refillable)

Accurate and easy to use, HALO2 Wireless pH Tester for Lab is ideal for measurements in samples that would be a challenge for standard design pH electrodes.

- 0.00 to 14.00 pH range
- Refillable electrode
  - The double junction design resists clogging to ensure fast response and stable readings.
- Glass body electrode
  - The glass body is easy to clean and withstands harsh chemicals.
- Spherical tip electrode
  - Provides maximum surface area for accurate measurements.



HI9810412

## HALO2 for Lab

Accurate and easy to use, HALO2 Wireless pH Tester for Lab is ideal for users that prefer a maintenance-free laboratory pH electrode.

- 0.00 to 12.00 pH range
- Glass body electrode
  - The glass body is easy to clean and withstands harsh chemicals.
- Maintenance free
  - Gel-filled reference with no fill solutions required. Other than routine calibration and cleaning, this probe is maintenance free.
- Spherical tip electrode
  - Provides maximum surface area for accurate measurements.

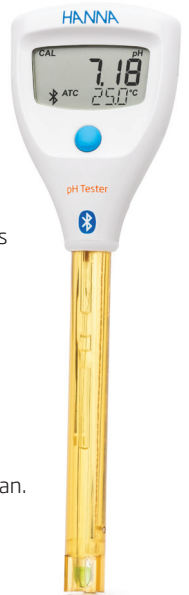


HI9810422

## HALO2 for Field

Accurate and easy to use, this HALO2 Wireless pH Tester is ideal for field measurements due to its durability.

- 0.00 to 12.00 pH range
- Rugged built-in electrode for field use
  - PEI resin body that is durable and easy to clean.
- Maintenance free
  - Gel-filled reference with no fill solutions required. Other than routine calibration and cleaning, this probe is maintenance free.



GroLine

HI9810302

# HALO2

## for Soil

Accurate and easy to use, 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.

- 0.00 to 12.00 pH range
- Rugged PVDF electrode body
- Easy pH electrode cleaning
  - A removable sleeve allows for cleaning, disinfecting, and refreshing (with supplied gel electrolyte) of the outer reference area.
- Conical tip electrode
  - Allows for easy penetration into soil or soil slurries.



HI9810432

# HALO2

## for Cosmetic Creams

(refillable)

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.

- 0.00 to 12.00 pH range
- Refillable electrode
  - 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.
- Glass body electrode
  - The glass body is easy to clean and withstands harsh chemicals.
- Conical tip electrode
  - Easily penetrates emulsions such as lotions and creams, soft solids, and semisolids.



HI9810372

# HALO2

## for Skin & Scalp

Accurate and easy to use, this HALO2 Wireless pH Tester is designed to measure the pH of the skin and scalp.

- 0.00 to 12.00 pH range
- Glass body electrode
  - The glass body is easy to clean and disinfect.
- Flat tip sensor
  - Allows for direct contact with the skin or scalp to ensure a stable measurement.



HI9810442

# HALO2

## for Leather & Paper

Accurate and easy to use, HALO2 Wireless pH Tester for Leather & Paper is ideal for measurements on flat surfaces, or small volume samples, with the specially designed flat sensing tip.

- 0.00 to 12.00 pH range
- Glass body electrode
  - The glass body is easy to clean and withstands harsh chemicals.
- Maintenance free
  - Gel-filled reference with no fill solutions required. Other than routine calibration and cleaning, this probe is maintenance free.
- Flat tip electrode
  - Just one drop of water needed on the sample surface for accurate measurements.



Foodcare

HI9810312

# HALO2

## for Beer

Accurate and easy to use, HALO2 Wireless pH Tester for Beer is ideal for pH measurement of mash, cooled wort, and beer samples.

- 0.00 to 12.00 pH range
- Titanium body
  - The rugged titanium electrode body works as an electronic shield protecting against interferences from electrical noise or humidity.
- Flat tip electrode
  - Allows for direct pH measurement and prevents solids from mash and cooled wort collecting on the surface.
- Extractable cloth junction
  - To clear any clogging from solids that would result in slow response and unstable readings, simply pull out a small, clean portion of the junction.



Foodcare

HI9810332

# HALO2

## for Wine

(refillable)

Accurate and easy to use, HALO2 Wireless pH Tester for Wine is designed to measure the pH at each step of the winemaking process: from pre-fermentation and fermentation to post-fermentation and bottling.

- 0.00 to 12.00 pH range
- Refillable electrode
  - The double junction design resists clogging to ensure fast response and stable readings
- Clogging Prevention System (CPS) technology
  - The moveable PE sleeve repels solids and prevents clogging. Additionally, the sleeve can be moved and the ground glass surface cleaned, resulting faster response times and stable readings.



Foodcare

HI9810352

# HALO2 for Sushi

Accurate and easy to use, HALO2 Wireless pH Tester for Sushi is designed to measure the pH of sushi rice and ensure it meets the food-hygiene and Hazard Analysis Critical Control Point (HACCP) regulations.

- 0.00 to 12.00 pH range
- Titanium body
  - The rugged titanium electrode body works as an electronic shield protecting against interferences from electrical noise or humidity.
- Flat tip, clog resistant electrode
  - The flat tip provides optimal surface contact for sushi rice pH measurements. When the junction becomes coated with starch from rice, simply clean the probe to expose the hard gel (viscolene) reference.



Foodcare

HI9810342

# HALO2 for Milk

Accurate and easy to use, the HALO2 Wireless pH Tester for Milk is designed to measure the pH during the milk production process.

- 0.00 to 12.00 pH range
- Glass body electrode
  - features a non-porous glass body that is easy to clean and disinfect.
- Maintenance free
  - Gel-filled reference with no fill solutions required. Other than routine calibration and cleaning, this probe is maintenance free.
- Conical tip electrode
  - Allows for easy penetration into semisolids, ideal for milk and milk products like yogurt.



Foodcare

HI9810322

# HALO2 for Cheese

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.

- 0.00 to 12.00 pH range
- Food grade PVDF electrode body
  - Easy to clean and disinfect.
- Conical tip electrode
  - Allows for easy penetration into solids and semisolids such as cheese.



Foodcare

HI9810362

# HALO2 for Meat

Accurate and easy to use, HALO2 Wireless pH Tester for Meat is ideal for pH measurement during meat processing.

- 0.00 to 12.00 pH range
- Food grade PVDF electrode body
  - Easy to clean and disinfect
- Easy pH electrode cleaning
  - A removable sleeve allows for cleaning, disinfecting, and refreshing (with supplied gel electrolyte) of the outer reference area.
- Conical tip electrode
  - Allows for easy penetration into solids and semisolids such as meats and sausages.



Foodcare

HI9810392

# HALO2 for Chocolate

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

- 0.00 to 12.00 pH range
- Food grade PVDF electrode body
  - Easy to clean and disinfect
- Easy pH electrode cleaning
  - A removable sleeve allows for cleaning, disinfecting, and refreshing (with supplied gel electrolyte) of the outer reference area.
- Conical tip electrode
  - Allows for easy penetration into soft solids and semisolids such as chocolate.



Foodcare

HI9810382

# HALO2 for Bread & Dough

Accurate and easy to use, HALO2 Wireless pH Tester for Bread & Dough is ideal to measure the pH during baking processes and ensure it meets the food-hygiene and Hazard Analysis Critical Control Point (HACCP) regulations.

- 0.00 to 12.00 pH range
- Food grade PVDF electrode body
  - Easy to clean and disinfect.
- Conical tip electrode
  - Allows for easy penetration into solids and semisolids such as bread and dough.

