



HI14142

HALO®

Compatible with:
iOS
Android™
edge®blu

Ideal for flat surfaces

The HI14142 HALO is an innovative pH electrode with Bluetooth® Smart technology designed for flat surfaces.

- **Flat bulb**
 - Measure pH on flat surfaces or small volume samples
- **Low temperature glass**
 - Fast and accurate measurement at lower temperatures
- **Open junction**
 - Resists clogging and provides fast response time
- **Gel-filled reference**
 - Maintenance free with no fill solutions required
- **Built-in temperature sensor**
 - High accuracy temperature compensated measurements

Flat Tip Bulb

The flat shaped tip design allows for easy measurement on surfaces or samples with a small volume.

Low Temperature Glass

The glass tip is made with Low Temperature (LT) glass formulation that has a lower resistance than standard glass types used with ordinary pH electrodes.

Open Junction Design

The open junction design consists of a solid gel (viscolene) interface between the sample and internal reference. This interface not only prevents silver from entering the sample, but also makes it impermeable to clogging from food products, maintaining a fast response and stable reading.

Maintenance Free Gel-filled Reference

Because the internal reference is gel, there is no fill solution to replenish as the probe is used. Other than routine calibration and cleaning, this a maintenance free probe.

Built-in Temperature Sensor

The thermistor temperature sensor built into the tip of the pH electrode. A thermistor based temperature sensor provides for a high accuracy temperature while being in the tip of the electrode allows for a rapid temperature compensated measurement.

HALO Specifications	HI14142
Measurement Range	0.00 to 12.00 pH
Reference Cell Type	double, Ag/AgCl
Junction Type	open
Electrolyte	Viscolene
Body Material	glass
Tip / Shape	flat
Temperature Operating Range	0 to 50°C (32 to 122°F)
Body Length/Overall Length	50 mm / 114 mm
Temperature Sensor	integrated
Outer Diameter	12 mm (glass)
Connector Type	Bluetooth Smart (Bluetooth 4.0), 10 m (33') range
Battery Type/Life	CR2032 3V lithium ion / approximately 500 hours
Environment	0 to 50°C (23 to 122°F); electronic module is not waterproof
Ordering Information	HI14142 (HALO) is supplied with storage solution, cleaning solution, pH 7.01 buffer solution, pH 4.01 buffer solution, battery, quality certificate and instruction sheet.