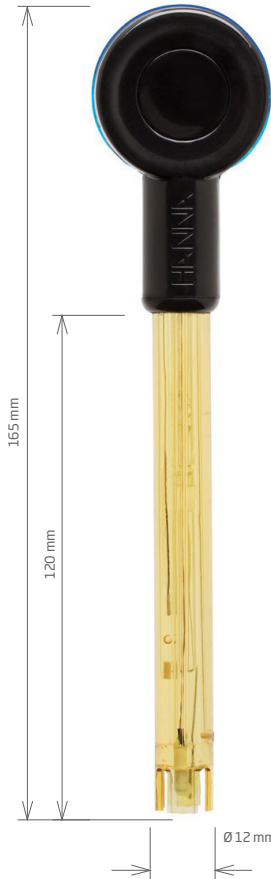
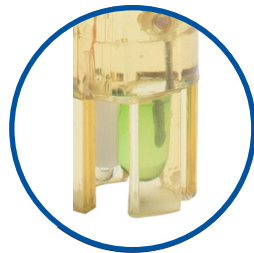


# revolutionary Bluetooth pH electrode



Epoxy body protects measurement bulb to prevent accidental damage



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**Ideal for field and education use, the revolutionary Hanna HALO electrode transmits the pH and temperature values via Bluetooth to your phone or tablet using the free to download Hanna Lab App.**  
 .....

- Connects to HALO electrodes via Bluetooth Smart Technology (Bluetooth 4.0)
  - One press connect
  - Status Indicator
  - Easy-to-Replace battery
- Up to five-point pH calibration with seven standard pH buffers available
- Real-time data
  - Displays pH and temperature updated every second
- Real-time data
  - Displays date and time of current calibration along with probe offset and average slope
- Full GLP
  - Displays date and time of current calibration, probe offset and average slope along with calibrated buffers, mV values, temperature and slopes between each buffer
- Four ways to save and share data:
  - All data since last autosave
  - Annotations only
  - All data within a timed interval
  - Annotations only within a timed interval

## Ordering Information

**Bluetooth PEI Body Gel Filled pH Electrode | HI-12302**  
 supplied with storage solution, cleaning solution, pH 7.01 buffer solution, pH 4.01 buffer solution, battery, quality certificate and instruction sheet.

## Specifications

Product Code	HI-12302
Body Material	PEI
Electrolyte	gel
Range	-2,000 to 16,000 pH / ±800 mV / -20.0 to 120.0 °C
Accuracy	±0.005 pH / ±0.3 mV
Length / Diameter	165 mm / 12 mm
Environment	0.0 to 50.0°C (32.0 to 122.0°F), electronic module is not waterproof
Recommended Operating Temperature	-5 to 70°C (23 to 158°F)
Temperature Sensor	yes
Battery Type / Life	CR2032 3V lithium ion / approximately 500 hours
Connection	Bluetooth Smart (Bluetooth 4.0), 10 m (33') range
Applications	field applications

## Compatibility

### Android

- Compatible with most devices equipped with Bluetooth Smart Technology (Bluetooth 4.0) and running Android 4.3 or later.

### iOS

- iPad (3rd generation or newer)
- iPhone (4S or newer)
- iPod Touch (5th generation or newer)

Authorised distributor



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.