



Family of pH Meters



Simplicity in Design

pH meters from **HANNA** are affordable solutions for laboratory testing without compromising accuracy.

 **HANNA**[®]
instruments

Benchtop Meters (PRICED FOR ALL APPLICATIONS)

pH Benchtop Meters

HI 2210 • HI 2211

FEATURES

- Automatic calibration
A stability indicator makes the calibration procedure error-free.
- Calibration expiration reminder
- ORP range



HI 2211 and HI 2210 are benchtop pH and °C meters. HI 2211 adds measurement for ion concentration (ISE) and Oxidation Reduction Potential (ORP) in the mV range.

pH Benchtop Meters WITH CALIBRATION CHECK™

HI 2221 • HI 2233

FEATURES

- On-screen electrode condition and response time
- Diagnostic alerts through icons



The HI 2221 (log up to 100 samples) and HI 2233 (log up to 500 samples) are pH benchtop meters featuring our exclusive Calibration Check™ diagnostics for both pH electrodes and buffer solutions during calibration.



pH Benchtop Meters WITH THREE POINT CALIBRATION

HI 2212 • HI 2213

FEATURES

- ORP measurement (HI 2213 only)
- Relative mV readings (HI 2213 only)
- Calibration expiration reminder



The HI 2212 and HI 2213 are pH and temperature benchtop meters. HI 2213 can measure oxidation reduction potential (ORP) in the mV range. A relative mV feature is also provided.

pH Benchtop Meters 0.001 RESOLUTION & DATA LOGGING

HI2214 • HI 2215

FEATURES

- Calibration expiration reminder
- Manually log up to 100 records
- Interval log up to 500 records (HI 2215)



HI 2214 and HI 2215 are pH and ORP benchtop meters offering five point calibration. A relative mV feature is also provided. HI 2215 adds 0.001 pH resolution and interval logging.

pH/ORP/ISE Benchtop Meters WITH CALIBRATION CHECK™

HI 3220 • HI 3221 • 3222

FEATURES

- Stability, interval and log on demand logging
- Up to 400 log on demand records and 600 automatic logging records
- Messages on the graphic LCD for an easy and accurate calibration



Both the HI 3220 and HI 3221 are equipped with one input channel. HI 3222 is equipped with two input channels for simultaneous measurements.

pH Benchtop Meters FOR EDUCATION

HI 207 • HI 208

FEATURES

- Compact and lightweight
- Built-in beaker and beaker-top electrode holder
- pH and temperature in one probe
- Operated by battery or 12 VDC
- °C and °F temperature scales
- Built-in magnetic stirrer (HI 208)



All-in-one pH meters have been designed to meet the classroom environment with features such as a built-in beaker holder, beaker-top electrode holder and 3-in-1 pH and temperature sensor.

Multiparameter Benchtop Meters

pH/ORP/ISE and Temperature Benchtop Meters RESEARCH GRADE WITH CALIBRATION CHECK™

HI 4221 • HI 4222

FEATURES

- One (HI 4221), or two (HI 4222) input channels
- pH Calibration Check™
- Five point pH and ISE calibration with standard and custom buffers
- ISE incremental methods
- Up to 100 logging lots
- Online and offline graph
- Large log memory with different logging methods



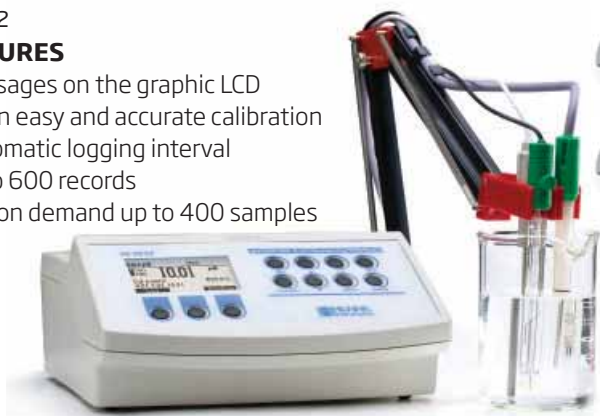
HI 4221 and HI 4222 are research grade pH, ORP and temperature benchtop meters. HI 4222 also incorporates ISE measurements and dual channels with a separate temperature input and support the external reference electrodes required by half cell pH and ISE sensors.

Two Channel, pH/ORP/ISE, EC/TDS/ NaCl/Resistivity Benchtop Meter

HI 3512

FEATURES

- Messages on the graphic LCD for an easy and accurate calibration
- Automatic logging interval up to 600 records
- Log on demand up to 400 samples



The HI 3512 is a 2 channel professional benchtop meter with a graphic LCD, designed to provide accurate laboratory results. Channel 1 features pH/ORP/ISE and temperature measurement capability while channel 2 measures EC/TDS/NaCl/Resistivity and temperature.

pH/ORP/ISE/EC/NaCl Benchtop Meter

HI 2550

FEATURES

- EC/TDS auto ranging, manual ranging and range lock
- HOLD button to freeze readings on the display



HI 2550 is a 2 channel instrument that measures pH, ORP, ISE, conductivity (EC), TDS, NaCl percentage and temperature.

pH/ORP/ISE and EC/TDS/Resistivity/Salinity Benchtop Meters

RESEARCH GRADE WITH CALIBRATION CHECK™

HI 4521 • HI 4522

FEATURES

- Two input channels
- Eight measurement parameters: pH, mV, ISE (HI 4522 only), conductivity, resistivity, TDS, salinity and temperature
- Auto Hold feature to freeze first stable reading on the LCD
- Two selectable alarm limits (for pH, mV, ISE, conductivity, resistivity, TDS, salinity)
- Three selectable logging modes: Automatic, Manual, Auto Hold logging
- Up to 100 logging lots for automatic or manual modes and up to 200 USP reports, up to 100 ISE methods reports



HI 4521 and HI 4522 are research grade, benchtop instruments that feature 8 measurement parameters: pH, ORP (Oxidation Reduction Potential), ISE (HI 4522 only), conductivity, resistivity, TDS, salinity and temperature. These instruments incorporate dual channels with a separate temperature input and support the external reference electrodes required by half cell pH and ISE sensors.

Portable pH Testers/Meters



Portable pH Meter EXTENDED RANGE

HI 991001 • HI 991002 • HI 991003

FEATURES

- Easy to use
- Only 2 buttons
- High accuracy
- Easy to calibrate
- Durable electrode
- Heavy-duty

This compact instrument fits in the palm of your hand and the bottom probe connection ensures the electrode cable doesn't get in your way.

Portable pH Meter EXTENDED RANGE

HI 9126

FEATURES

- Electrode condition monitoring
- Measurement store and recall
- Backlit, multi-level LCD display

HI 9126 utilizes the HI 1230B double junction pH electrode. The double junction helps to minimize junction contamination for consistently accurate results.



Portable pH Meter FOOD INDUSTRY

FEATURES

HI 99161 for Food

- pH probe with built-in temperature sensor
- Easy to clean
- Only 2 buttons
- 1000 hour battery life (approx)

HI 99163 for Meat

- Penetration blade for probe included
- Easy to clean
- Only 2 buttons
- 1000 hour battery life (approx)

This compact instrument fits in the palm of your hand and the bottom probe connection ensures the electrode cable doesn't get in your way.

Portable pH Meter EXTENDED RANGE

HI 83141

FEATURES

- Easy manual one or two point calibration
- Automatic Temperature Compensation
- Low battery indicator

HI 83141 uses the HI 1230B pH electrode and HI 7669AW temperature probe using separate connections (both included).



pH/ORP/ISE Portable Meter WITH CALIBRATION CHECK™

HI 98185

FEATURES

- Automatic logging and log on demand
- Ease of use
- Soft-key extended functionality
- Multiple language selection
- Contextual help at the touch of a button
- Waterproof and rugged casing



pH/ORP/ISE Portable Meter WITH CALIBRATION CHECK™

HI 98172

FEATURES

- Log on demand (500 samples)
- User-selectable "calibration time out"
- Tutorial messages on LCD

HI 98172 features tutorial messages on the LCD and an auto-end mode to ensure readings are taken only when they are stable.



For more information call
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