

pH/ORP Benchtop Meters

Single Parameter

pH

benchtop



pH Innovation Simplified

The HI2620 and HI2621 single-parameter pH benchtop meters represent the culmination of Hanna's visionary approach, advanced design expertise, integrated manufacturing processes, and world class research and development.

HI2620 measures pH and ORP utilizing Hanna's unique digital electrodes while the HI2621 adds datalogging and extended pH resolution capabilities.

Features at a Glance



Clear, full text readout

These meters present clear, detailed text prompts at the bottom section of the screen.

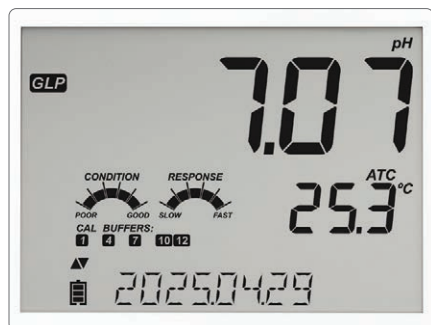
Two Operating Modes (HI2621)

HI2621 can be used in Standard or Basic operating modes. Standard Mode enables all features while Basic Mode reduces features—ideal for routine measurements by displaying a simplified screen and features. HI2620 operates in Basic Mode only.



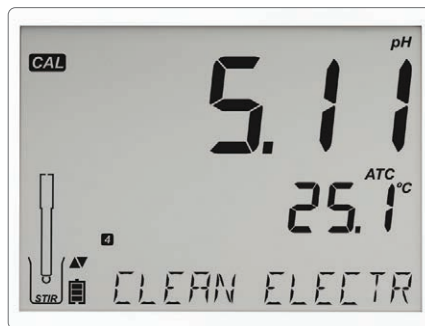
Data Logging (HI2621 only)

The HI2621 provides data storage capacity up to 1000 log records. Each data set comprehensively includes readings, GLP information, as well as date and time stamps.



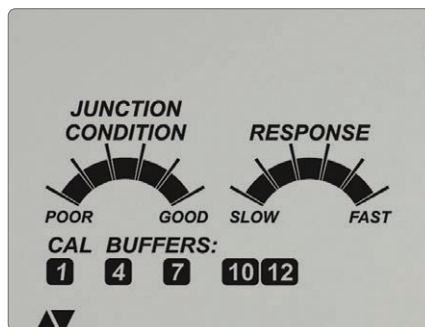
GLP

The sensor retains data from the most recent calibration, including the date, time, and buffers utilized. This information is available in basic and standard modes. For HI2621, this information is also included with logged data.



CAL Check™

Hanna's exclusive CAL Check feature analyzes the pH electrode's response in calibration buffers to detect potential issues such as contaminated solutions or dirty electrodes. Upon completing calibration, indicators reflecting the probe's condition—based on its offset and slope characteristics—are displayed on the measurement screen.



Sensor Check™ (using HI1311 and HI12301 pH probes only)

When paired with compatible Hanna electrodes featuring a matching pin, these meters continuously monitor the impedance of the pH measuring electrode, providing real-time alerts in case of glass breakage.

During calibration, Sensor Check displays the junction condition, by evaluating the reference junction resistance.



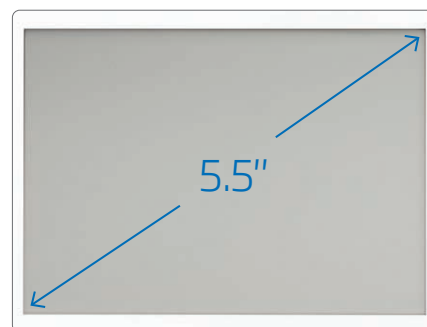
ORP Measurement

Measure ORP (REDOX) in mV units by using a compatible ORP sensor.



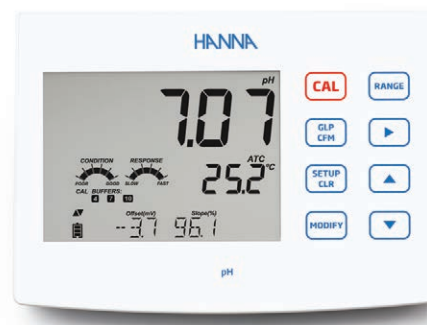
Capacitive Touch Keypad

Both the HI2620 and HI2621 feature sensitive capacitive touch buttons for accurate keystrokes for navigating menus and screens. Since they are part of the screen, the buttons can never get clogged with sample residue.



Easy to Read LCD

HI2620 and HI2621 feature a 5.5" (14 cm) LCD display that you can clearly view from over 5 m (16.4'). The large display, with its wide 150° viewing angle, provides one of the easiest to read LCDs in the industry.



Small Footprint

With dimensions of just 205 x 160 x 77 mm (8.0 x 6.2 x 3.0") and a weight of only 850 g (1.87 lbs.), these meters offer exceptional portability and seamlessly integrates into the most crowded laboratory workspaces.



The meters measure pH through its unique digital electrodes. These digital electrodes are auto-recognized, providing sensor type, calibration data, and a serial number when connected by an easy to plug-in 3.5 mm connector.

- Probes process signal directly for noise free measurements
- Auto sensor recognition
- Store calibration specific data from the last calibration
- Are built with materials suitable for use in chemical analysis
- Have integrated temperature measurement
- Incorporate a 3 mm jack termination
- Unique serial ID in every probe for traceability

- HI11310: Digital pH Electrode with integrated temperature sensor
- HI36180: Digital ORP probe with integrated temperature sensor

HI2620/Hi2621 Rear View (Hi2621 rear view shown)



Digital Probe Input

Simply connect each probe via the 3.5 mm jack, Digital Smart Electrodes are automatically recognized.

Features at a Glance

- Sleek, clean, intuitive design
- Resolution selectable from 0.01 and 0.001 pH (HI2621 only)
- Basic mode for simplified operation
- Temperature readout (°C or °F)
- Data logging (HI2621 only)
 - Manual log-on-demand
 - Manual log-on-stability
 - Interval logging (HI2621 Standard mode only)
- Simplified data transfer to a PC (HI2621 only)
- Automatic Temperature Compensation (ATC)
- CAL Check™ Indicators:
 - Probe condition
 - Response time
 - Check buffer
 - Clean electrode
- Sensor Check™ Indicators:
 - Broken electrode
 - Clogged junction
- Internal clock and date
- Dedicated GLP key
- GLP data included with logged data
 - Records date, time, offset, slope, and buffers used during calibration
- Five-point (HI2621) or three-point (HI2620) calibration
 - A choice of Hanna and NiST buffers plus selectable custom buffers available
- Calibration tags on screen
 - Identifies buffers used for current calibration
- Calibration expiration warning

Specifications		HI2620	HI2621
pH	Range*	-2.00 to 16.00 pH	-2.00 to 16.00 pH; -2.000 to 16.000 pH†
	Resolution	0.01 pH	0.01 pH; 0.001 pH†
	Accuracy (@25°C/77°F)	±0.01 pH	±0.01 pH; ±0.002 pH†
	Calibration	automatic, up to three point calibration, 5 standard buffers available (4.01 or 3.00, 6.86, 7.01, 9.18, 10.01)	automatic, up to three points (five points‡) calibration, 5 standard (7 standard‡) buffers available (1.68‡, 4.01 or 3.00, 6.86, 7.01, 9.18, 10.01, 12.45‡) and two custom buffers‡
	Temperature Compensation*	automatic, -5.0 to 100.0°C (23.0 to 212.0°F) (using built-in temperature sensor)	
	Electrode Diagnostics	standard mode: probe condition, response time and out of calibration range	
mV pH	Range	±1000 mV	±1000 mV
	Resolution	0.1 mV	0.1 mV
	Accuracy (@25°C/77°F)	±0.2 mV	±0.2 mV
ORP	Range	±2000 mV	±2000 mV
	Resolution	0.1 mV	0.1 mV
	Accuracy (@25°C/77°F)	±0.2 mV (±999.9 mV); ±1 mV (±2000 mV)	±0.2 mV (±999.9 mV); ±1 mV (±2000 mV)
	Calibration	one-point calibration	one-point calibration
Temperature	Range*	-20.0 to 120.0°C; -4.0 to 248.0°F	-20.0 to 120.0°C; -4.0 to 248.0°F
	Resolution	0.1°C; 0.1°F	0.1°C; 0.1°F
	Accuracy	±0.5°C; ±0.9°F	±0.5°C; ±0.9°F
Additional Specifications	Probe	HI11310 digital glass body pH electrode with 3.5 mm (1/8”) connector and 1 m (3.3') cable	
	Logging	–	up to 1000† (400 for basic mode) records organized in: manual log-on-demand (max. 200 logs), manual log-on-stability (max. 200 logs), interval logging† (max. 600 samples; 100 lots)
	Connectivity	–	1 USB-C port for PC connectivity
	Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
	Power Supply	USB Type C (5 VDC; 500 mA)	USB Type C (5 VDC; 500 mA)
	Dimensions	205 x 160 x 77 mm (8.0 x 6.2 x 3.0 ”)	
	Weight	Approximately 850 g (1.87 lbs.)	
Ordering Information	HI2620 pH benchtop meter includes HI11310 glass body refillable pH electrode, 1.5 m USB-C to C USB-C cable, quality certificates, and QR code for manual download.		
	HI2621 pH + Logging Benchtop Meter includes HI11310 Glass Body Refillable pH Electrode, pH 4 buffer solution sachets (2), pH 7 buffer solution sachets (4), pH 10 buffer solution sachets (2), electrode cleaning solution sachets (2), electrode holder, 1.5 m USB-C to C USB-C cable, quality certificates, and QR code for manual download.		

* limits will be reduced to actual probe limits
† standard mode only

Conductivity Benchtop Meters

Single Parameter

Conductivity / TDS

benchtop

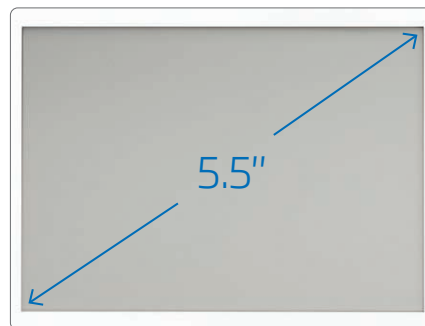


Conductivity Innovation Simplified

The HI2630 and HI2631 single-parameter EC benchtop meters represent the culmination of Hanna's visionary approach, advanced design expertise, integrated manufacturing processes, and world class research and development.

HI2630 measures EC and TDS utilizing Hanna's unique digital electrodes while the HI2631 adds datalogging capabilities and salinity measurement and calibration.

HI2630 and HI2631 features



Clear, Full Text Readout

The HI2630 and HI2631 presents clear, detailed text prompts at the bottom section of the screen.

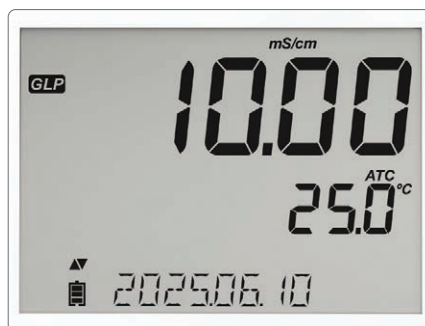


Capacitive Touch Keypad

Both the HI2630 and HI2631 feature sensitive capacitive touch buttons for accurate keystrokes for navigating menus and screens. Since they are part of the screen, the buttons can never get clogged with sample residue.

Data Logging (HI2631 only)

HI2631 provides data storage capacity, up to 1000 log records. Each data set comprehensively includes readings, GLP information, as well as date and time stamps.



GLP

The sensor retains data from the most recent calibration, including the date, time, and standards utilized. This information is available in basic and standard modes. For HI2631, this information is also included with logged data.

Easy to Read LCD

These meters feature a 5.5" (14 cm) LCD display that you can clearly view from over 5 m (16.4'). The large display, with its wide 150° viewing angle, provides one of the easiest to read LCDs in the industry.



Small Footprint

With dimensions of just 205 x 160 x 77 mm (8.0 x 6.2 x 3.0") and a weight of only 850 g (1.87 lbs.), these meters offer exceptional portability and seamlessly integrates into the most crowded laboratory workspaces.

Two Operating Modes (HI2631 only)

HI2631 can be used in Standard or Basic Operating Modes. Standard Mode enables all features while Basic Mode reduces features—ideal for routine measurements by displaying a simplified screen and features. HI2630 operates in Basic Mode only.





Digital Electrodes

The meters measure EC, TDS and Salinity through its unique digital electrode. This digital electrode is auto-recognized, providing sensor type, calibration data, and a serial number when connected by an easy to plug-in 3.5 mm connector.

- Probes process signal directly for noise free measurements
- Auto sensor recognition
- Store calibration specific data from the last calibration
- Are built with materials suitable for use in chemical analysis
- Have integrated temperature measurement
- Incorporate a 3 mm jack termination
- Unique serial ID in every probe for traceability

Compatible with:

- HI763100: Digital 4 ring conductivity probe with integrated temperature sensor (included)

HI2630/HI2631 Rear View (HI2631 rear view shown)



USB-C Port for Data Transfer (HI2631 only)

The HI2631 features a streamlined USB-C port that facilitates transferring data to your computer.

Digital Probe Input

Simply connect each probe via the 3.5 mm jack, Digital Smart Electrodes are automatically recognized.

Features at a Glance

- Digital four-ring conductivity probe
 - Covers all ranges from 0.00 $\mu\text{S}/\text{cm}$ to 500 mS/cm (absolute EC)
- EC, TDS and reading modes
- Salinity reading mode (HI2631 only)
- Accuracy
 - $\pm 1\%$ of the reading ($\pm 0.05 \mu\text{S}/\text{cm}$ or 1 digit, whichever is greater)
- Basic mode for simplified operation
- Calibration
 - Offset (0 $\mu\text{S}/\text{cm}$) and cell factor calibration
 - Choice of 5 standards (auto-recognition)
- Data logging (HI2631 only)
 - Manual log-on-demand
 - Manual log-on-stability
 - Interval logging
- GLP data
 - Records date, time, offset and cell factor
 - Data of the last performed calibration is stored in the probe: date, time, cell constant, temperature coefficient, reference temperature and battery status. When the probe is connected to edge®EC, GLP data is automatically transferred
- Auto-ranging or manual range selection
- Temperature readout ($^{\circ}\text{C}$ or $^{\circ}\text{F}$)
- Temperature compensation
 - Automatic
 - NoTC (absolute)
- Adjustable EC to TDS conversion factor
- Adjustable temperature correction coefficient
- Seawater salinity units (HI2631 only)
 - % NaCl
 - PSU
 - g/L

Specifications	HI2630	HI2631
EC	Range	0.00 to 29.99 $\mu\text{S}/\text{cm}$; 30.0 to 299.9 $\mu\text{S}/\text{cm}$; 300 to 2999 $\mu\text{S}/\text{cm}$; 3.00 to 29.99 mS/cm; 30.0 to 200.0 mS/cm; up to 500.0 mS/cm absolute EC**
	Resolution	0.01 $\mu\text{S}/\text{cm}$; 0.1 $\mu\text{S}/\text{cm}$; 1 $\mu\text{S}/\text{cm}$; 0.01 mS/cm; 0.1 mS/cm
	Accuracy (@25°C/77°F)	$\pm 1\%$ of reading ($\pm 0.05 \mu\text{S}/\text{cm}$ or 1 digit, whichever is greater)
	Calibration	single cell factor calibration; six standards available: 84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm, one point offset: 0.00 $\mu\text{S}/\text{cm}$
	Temperature Coefficient	0.00 to 6.00%/°C (for EC and TDS only), default value is 1.90%/°C
TDS	Range	0.00 to 14.99 mg/L (ppm); 15.0 to 149.9 mg/L (ppm); 150 to 1499 mg/L (ppm); 1.50 to 14.99 g/L; 15.0 to 100.0 g/L; up to 400.0 g/L absolute TDS using 0.80 conversion factor**
	Resolution	0.01 mg/L (ppm); 0.1 mg/L (ppm); 1 (ppm); 0.01 g/L; 0.1 g/L
	Accuracy (@25°C/77°F)	$\pm 1\%$ of reading ($\pm 0.03 \text{ ppm}$ or 1 digit, whichever is greater)
	Calibration	through EC calibration
	TDS Factor	0.40 to 0.80 (default value is 0.50)
Salinity†	Range	– 0.0 to 400.0 % NaCl; 2.00 to 42.00 PSU; 0.00 to 80.00 g/L
	Resolution	– 0.1 % NaCl; 0.01 PSU; 0.01 g/L
	Accuracy (@25°C/77°F)	– $\pm 1\%$ of reading
	Calibration	– PSU and g/L through EC calibration; % NaCl – one-point with HI7037 sea water standard
Temperature	Range*	-20.0 to 120.0°C; -4.0 to 248.0°F
	Resolution	0.1°C; 0.1°F
	Accuracy	$\pm 0.5^{\circ}\text{C}$; $\pm 0.9^{\circ}\text{F}$
Additional Specifications	Probe	HI763100 digital four-ring conductivity probe with 3.5 mm (1/8") connector and 1 m (3.3') cable
	Logging	– up to 1000† (400 for basic mode) records organized in: manual log-on-demand (max. 200 logs), manual log-on-stability (max. 200 logs), interval logging† (max. 600 samples; 100 lots)
	Connectivity	– 1 USB-C port for PC connectivity
	Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
	Power Supply	USB Type C (5 VDC; 500 mA) USB Type C (5 VDC; 500 mA)
	Dimensions	205 x 160 x 77 mm (8.0 x 6.2 x 3.0")
	Weight	Approximately 850 g (1.87 lbs.)
Ordering Information	HI2630 Conductivity Benchtop Meter includes HI763100 conductivity probe, 1.5 m USB-C to C USB-C cable, quality certificates, and QR code for manual download.	
	HI2631 Conductivity + Logging Benchtop Meter includes HI763100 conductivity probe, 1413 $\mu\text{S}/\text{cm}$ conductivity standard sachets (4), 12880 $\mu\text{S}/\text{cm}$ conductivity standard sachets (2), 5000 $\mu\text{S}/\text{cm}$ conductivity standard sachets (2), electrode rinse solution sachets (2), electrode Holder, 1.5 m USB-C to C USB-C cable, quality certificates, and QR code for manual download.	

* temperature limits will be reduced to actual probe limits

** with temperature compensation function disabled

† standard mode only

Dissolved Oxygen Benchtop Meters

Single parameter

Dissolved Oxygen

benchtop

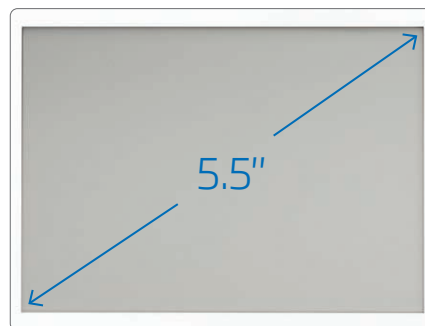
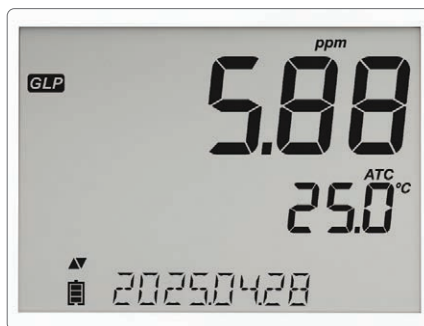
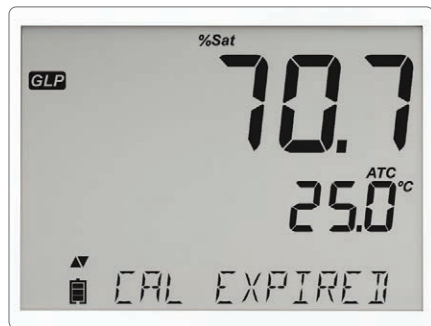


Dissolved Oxygen Innovation Simplified

The HI2640 and HI2641 single-parameter Dissolved Oxygen benchtop meters represent the culmination of Hanna's visionary approach, advanced design expertise, integrated manufacturing processes, and world class research and development.

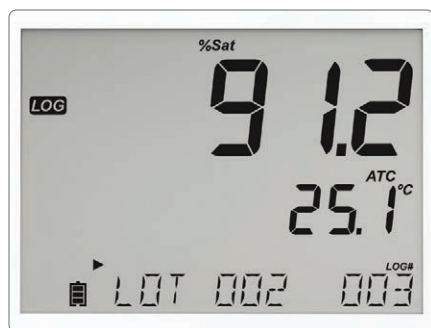
HI2640 measures dissolved oxygen (ppm and % saturation) utilizing Hanna's unique digital electrode while the HI2641 adds datalogging capabilities.

Features at a Glance



Clear, Full Text Readout

The HI2640 and HI2641 presents clear, detailed text prompts at the bottom section of the screen.



GLP

The sensor retains data from the most recent calibration, including the date, time, and buffers utilized. This information is available in basic and standard modes. For HI2641, this information is also included with logged data.



Easy to Read LCD

These meters feature a 5.5" (14 cm) LCD display that you can clearly view from over 5 m (16.4'). The large display, with its wide 150° viewing angle, provides one of the easiest to read LCDs in the industry.



Data Logging (HI2641 only)

These meters provide ample data storage capacity, allowing you to save up to 1000 log records. Each data set comprehensively includes readings, GLP information, as well as date and time stamps

Capacitive Touch Keypad

Both the HI2640 and HI2641 feature sensitive capacitive touch buttons for accurate keystrokes for navigating menus and screens. Since they are part of the screen, the buttons can never get clogged with sample residue.

Small Footprint

With dimensions of just 205 x 160 x 77 mm (8.0 x 6.2 x 3.0") and a weight of only 850 g (1.87 lbs.), these meters offer exceptional portability and seamlessly integrates into the most crowded laboratory workspaces.



Atmospheric Pressure Sensor

To make measurements the most accurate, the dissolved oxygen digital probe used with HI2640 and HI2641 features an atmospheric pressure sensor for automatic pressure compensation.



Digital Electrodes

The meters measure dissolved oxygen through its unique digital electrodes. This digital electrode is auto-recognized, providing sensor type, calibration data, and a serial number when connected by an easy to plug-in 3.5 mm connector.

- Atmospheric pressure compensation
- Probes process signal directly for noise free measurements
- Auto sensor recognition
- Store calibration specific data from the last calibration
- Are built with materials suitable for use in chemical analysis
- Have integrated temperature measurement
- Incorporate a 3 mm jack termination
- Unique serial ID in every probe for traceability

Compatible with:

- HI764080: Digital polarographic dissolved oxygen probe with integrated temperature sensor

HI2640/HI2641 Rear View (HI2641 rear view shown)



USB-C Port for Data Transfer (HI2641 only)

The HI2641 features a streamlined USB-C port that facilitates transferring data to your computer.

Digital Probe Input

Simply connect each probe via the 3.5 mm jack, Digital Smart Electrodes are automatically recognized.

Features at a Glance

- Clark type digital polarographic probe with easy-to-replace membrane cap
 - Covers all ranges from 0.00 to 45.00 mg/L (ppm); 0.0 to 300.0% saturation
- Accuracy $\pm 1.5\%$ of reading ± 1 digit
- One or two-point calibration (HI7040), 0% (solution) and 100% (water saturated air)
- Data logging (HI2641 only)
 - Manual log-on-demand
 - Manual log-on-stability
 - Interval logging
- Automatic Temperature Compensation from 0 to 50 °C
- GLP data
 - Records date, time, calibration standards, pressure value, and salinity value
- Pressure compensation from -500 to 4000 meters (-1640 to 13,123')
- Salinity compensation from 0 to 40g/L

Specifications	HI2640	HI2641
Dissolved Oxygen	Range	0.00 to 45.00 ppm (mg/L); 0.0 to 300.0 % saturation
	Resolution	0.01 ppm (mg/L); 0.1 % saturation
	Accuracy	$\pm 1.5\%$ of reading ± 1 digit
	Calibration	one or two-point at 0% (HI7040 solution) and 100% (in air)
	Temperature Compensation	ATC (0 to 50°C; 32.0 to 122.0°F)*
	Salinity Compensation	0 to 40 g/L (with 1 g/L resolution)
	Pressure Compensation	-500 to 4000 m (-1640 to 13120') (with 100 m (328') resolution)
Temperature	Range*	-20.0 to 120.0°C; -4.0 to 248.0°F
	Resolution	0.1°C; 0.1°F
	Accuracy	$\pm 0.5^\circ\text{C}$; $\pm 0.9^\circ\text{F}$
Additional Specifications	Probe	HI764080 digital dissolved oxygen electrode with 3.5 mm (1/8") connector and 1 m (3.3') cable (included)
	Logging	– up to 1000 records organized in: manual log-on-demand (max. 200 logs), manual log-on-stability (max. 200 logs), interval logging† (max. 600 samples; 100 lots)
	Connectivity	– 1 USB-C port for PC connectivity
	Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
	Power Supply	USB Type C (5 VDC; 500 mA) USB Type C (5 VDC; 500 mA)
	Dimensions	205 x 160 x 77 mm (8.0 x 6.2 x 3.0")
	Weight	Approximately 850 g (1.87 lbs.)
Ordering Information	HI2640 Dissolved Oxygen Benchtop Meter includes HI764080 dissolved oxygen electrode, 1.5 m USB-C to C USB-C cable, quality certificates, and QR code for manual download. HI2641 Dissolved Oxygen + Logging Benchtop Meter includes HI764080 dissolved oxygen electrode, HI7041S refill electrolyte solution, DO membrane caps (2), o-rings (2), electrode holder, 1.5 m USB-C to C USB-C cable, quality certificates, and QR code for manual download.	

* temperature limits will be reduced to actual probe limits
 † standard mode only



Innovation Simplified

The HI2600 architecture brings together Hanna's visionary design capabilities, integrated production, and world class research and development. For those that prefer simple operation there is a basic mode with simplified menu and options as well as a full featured standard operating mode for those who require advanced features. HI2600 is available as a pH, conductivity, or dissolved oxygen kit and any HI2600 kit can be upgraded with additional probes to measure pH, conductivity, or dissolved oxygen.

HI2600 features



Clear, Full Text Readout

The HI2600 presents clear, detailed text prompts at the bottom section of the screen.

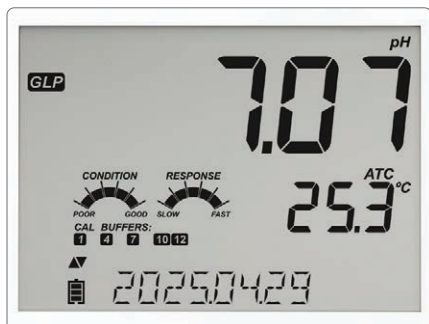
Two Operating Modes

HI2600 can be used in Standard or Basic Operating Modes (pH and EC only). Standard Mode enables all features while Basic Mode displays a simplified screen and features – ideal for routine measurements.



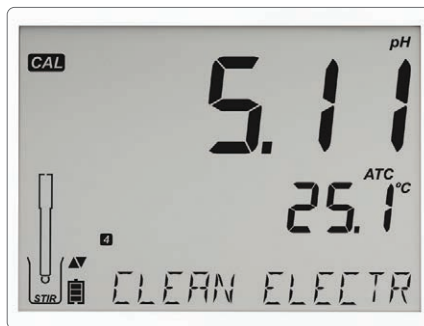
Data Logging

The HI2600 provides ample data storage capacity, allowing you to save up to 1000 log records. Each data set comprehensively includes readings, GLP information, as well as date and time stamps.



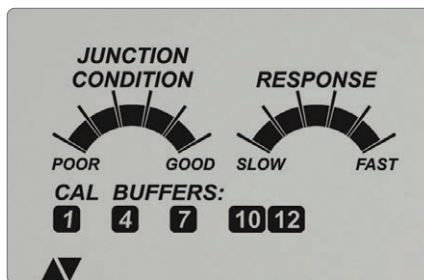
GLP

The sensor retains data from the most recent calibration, including date, time, and buffers utilized. When connected to the HI2600, this GLP information is automatically transferred.



CAL Check™

Hanna's exclusive CAL Check feature analyzes the pH electrode's response in calibration buffers to detect potential issues such as contaminated solutions or dirty electrodes. Upon completing calibration, indicators reflecting the probe's condition—based on its offset and slope characteristics—are displayed on the measurement screen.



Sensor Check™ (using HI1311 and HI12301 pH probes only)

When paired with compatible Hanna electrodes featuring a matching pin, HI2600 continuously monitors the impedance of the pH measuring electrode, providing real-time alerts in case of glass breakage.

During calibration, Sensor Check displays the junction condition, by evaluating the reference junction resistance.



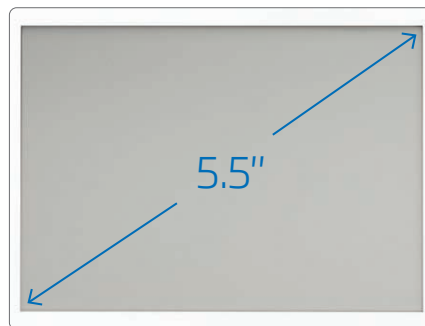
ORP Measurement

Measure ORP (REDOX) in mV units by using a compatible ORP sensor.



Capacitive Touch Keypad

HI2600 features sensitive capacitive touch buttons for accurate keystrokes for navigating menus and screens. Since they are part of the screen, the buttons can never get clogged with sample residue.



Easy to Read LCD

HI2600 features a 5.5" (14 cm) LCD display that you can clearly view from over 5 m (16.4'). The large display, with its wide 150° viewing angle, provides one of the easiest to read LCDs in the industry.

Rechargeable Battery

The integrated rechargeable battery offers maximum portability with a long battery life.



Small Footprint

With dimensions of just 205 x 160 x 77 mm (8.0 x 6.2 x 3.0") and a weight of only 850 g (1.87 lbs.), these meters offer exceptional portability and seamlessly integrates into the most crowded laboratory workspaces.

Features at a Glance

- Sleek, clean, intuitive design
- Auto parameter recognition
- Adjustable resolution for pH and EC measurements
- Basic mode for simplified operation
- Temperature readout (°C or °F)
- Data logging
 - Manual log-on-demand
 - Manual log-on-stability
 - Interval logging (standard mode only)
- Simplified data transfer to a PC
- Automatic Temperature Compensation (ATC)
- CAL Check™ Indicators:
 - Probe condition
 - Response time
 - Check buffer
 - Clean electrode
- Sensor Check™ Indicators:
 - Broken electrode
 - Clogged junction
- Internal clock and date
- Dedicated GLP key
- GLP data included with logged data
 - Records date, time, offset, slope, and buffers used during calibration
- Up to five-point calibration (Standard mode)
 - A choice of seven pre-programmed buffers plus two selectable custom buffers
- Calibration tags on screen
 - Identifies buffers used for current calibration
- Calibration expiration warning



Digital Electrodes

HI2600 measures pH, conductivity, or dissolved oxygen through its unique digital electrodes. These digital electrodes are auto-recognized, providing sensor type, calibration data, and a serial number when connected by an easy to plug-in 3.5 mm connector.

- Probes process signal directly for noise free measurements
- Auto sensor recognition
- Store calibration specific data from the last calibration
- Are built with materials suitable for use in chemical analysis
- Have integrated temperature measurement
- Incorporate a 3 mm jack termination
- Unique serial ID in every probe for traceability

Compatible with:

- HI11310: Digital pH Electrode with integrated temperature sensor
- HI763100: Digital 4 ring conductivity probe with integrated temperature sensor
- HI764080: Digital polarographic dissolved oxygen probe with integrated temperature sensor and atmospheric pressure sensor
- HI36180: Digital ORP probe with integrated temperature sensor

HI2600 accepts compatible pH, EC, or dissolved oxygen digital probes interchangeably.

HI2600 Rear View

USB-C Port for Charging and Data Transfer

The HI2600 features a streamlined USB-C port that facilitates charging the integrated rechargeable battery, transferring data to your computer, and exporting files directly to a flash drive.

Digital Probe Input

Simply connect each probe via the 3.5 mm jack, Digital Smart Electrodes are automatically recognized.



Specifications	HI2600
pH (with included pH probe)	Range* -2.00 to 16.00 pH; -2.000 to 16.000 pH†
	Resolution 0.01 pH; 0.001 pH†
	Accuracy (@25°C/77°F) ±0.01 pH; ±0.002 pH†
	Calibration automatic, up to three points (five points†) calibration, 5 standard (7 standard†) buffers available (1.68†, 4.01 or 3.00, 6.86, 7.01, 9.18, 10.01, 12.45†) and two custom buffers†
	Temperature Compensation* automatic, -5.0 to 100.0°C (23.0 to 212.0°F) (using the built-in temperature sensor)
	Electrode Diagnostics standard mode: probe condition, response time and out of calibration range
mV pH (with included pH probe)	Range ±1000 mV
	Resolution 0.1 mV
	Accuracy (@25°C/77°F) ±0.2 mV
EC (with compatible EC probe)	Range 0.00 to 29.99 µS/cm; 30.0 to 299.9 µS/cm; 300 to 2999 µS/cm; 3.00 to 29.99 mS/cm; 30.0 to 200.0 mS/cm; up to 500.0 mS/cm absolute EC**
	Resolution 0.01 µS/cm; 0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm
	Accuracy (@25°C/77°F) ±1% of reading (±0.05 µS/cm or 1 digit, whichever is greater)
	Calibration single cell factor calibration; six standards available: 84 µS/cm, 1413 µS/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm, one point offset: 0.00 µS/cm
	Temperature Coefficient 0.00 to 6.00%/°C (for EC and TDS only), default value is 1.90%/°C
TDS (with compatible EC probe)	Range 0.00 to 14.99 mg/L (ppm); 15.0 to 149.9 mg/L (ppm); 150 to 1499 mg/L (ppm); 1.50 to 14.99 g/L; 15.0 to 100.0 g/L; up to 400.0 g/L absolute TDS using 0.80 conversion factor**
	Resolution 0.01 mg/L (ppm); 0.1 mg/L (ppm); 1 (ppm); 0.01 g/L; 0.1 g/L
	Accuracy (@25°C/77°F) ±1% of reading (±0.03 ppm or 1 digit, whichever is greater)
	Calibration through EC calibration
	TDS Factor 0.40 to 0.80 (default value is 0.50)
Salinity† (with compatible EC probe)	Range 0.0 to 400.0 ‰ NaCl; 2.00 to 42.00 PSU; 0.00 to 80.00 g/L
	Resolution 0.1 ‰ NaCl; 0.01 PSU; 0.01 g/L
	Accuracy (@25°C/77°F) ±1% of reading
	Calibration PSU and g/L through EC calibration; ‰ NaCl – one-point with HI7037 sea water standard
Dissolved Oxygen (with compatible DO probe)	Range 0.00 to 45.00 ppm (mg/L); 0.0 to 300.0 % saturation
	Resolution 0.01 ppm (mg/L); 0.1 % saturation
	Accuracy ± 1.5% of reading ±1 digit
	Calibration one or two-point at 0% (HI7040 solution) and 100% (in air)
	Temperature Compensation ATC (0 to 50°C; 32.0 to 122.0°F)*
	Salinity Compensation 0 to 40 g/L (with 1 g/L resolution)
	Pressure Compensation -500 to 4000 m (-1640 to 13120') (with 100 m (328') resolution)
Temperature	Range* -20.0 to 120.0°C; -4.0 to 248.0°F
	Resolution 0.1°C; 0.1°F
	Accuracy ±0.5°C; ±0.9°F
Additional Specifications	Probe (included in HI2600) HI11310 digital glass body pH electrode with 3.5 mm (1/8") connector and 1 m (3.3') cable
	Logging up to 1000† (400 for basic mode) records organized in: manual log-on-demand (max. 200 logs), manual log-on-stability (max. 200 logs), interval logging† (max. 600 samples; 100 lots)
	Connectivity 1 USB-C port for storage, charging, and PC connectivity
	Environment 0 to 50°C (32 to 122°F); RH max 95% non-condensing
	Power Supply Rechargeable battery via USB-C
	Dimensions 205 x 160 x 77 mm (8.0 x 6.2 x 3.0")
	Weight Approximately 850 g (1.87 lbs.)
Ordering Information	HI2600 pH/EC/DO benchtop meter includes HI11310 glass body refillable pH electrode, pH 4 buffer solution sachets (2), pH 7 buffer solution sachets (4), pH 10 buffer solution sachets (2), electrode cleaning solution sachets (2), electrode holder, 1.5 m USB-C to C USB-C cable. All HI2600 series compatible pH, EC and DO digital probes are interchangeable with HI2600 and can be ordered separately.

* limits will be reduced to actual probe limits
† standard mode only