

Dissolved Oxygen Benchtop Meters

Single parameter



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



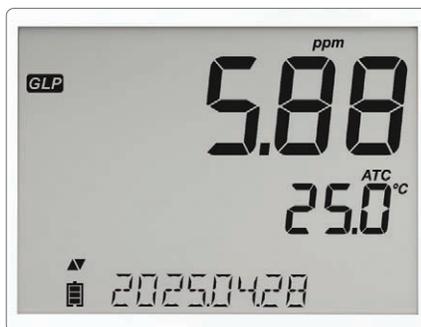
Clear, Full Text Readout

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



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



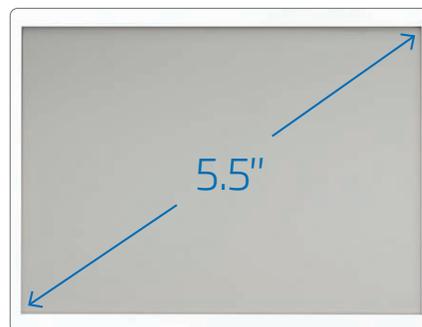
GLP

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.



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.



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.



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 compute..

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	<p>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.</p> <p>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.</p>		

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