



HQ1110 Portable Dedicated pH/ORP/mV Meter with Rugged Field Gel pH Electrode, 5 m Cable

Product #: LEV015.98.11103

AED Price: Contact Hach

A robust and intuitive range of portable meters, instilling confidence in reporting and managing your results.

The HQ Series is for water quality professionals who want to perform electrochemical analysis for field and lab environments. Our new portable platform will allow you to collect intuitive, accurate measurements, manage data, and easily review results, while supplying an IP67 robustness rating.

They provide a true rugged, field-ready solution with on-screen, visual step-by-step operating guidance that provides users with confidence in reporting and managing their results. Unlike other field meters with basic user interfaces and without easily accessible data, the HQ Series secures, simplifies, and accelerates the complete measurement process for field users.

Choose from 4 models, including the three-input HQ4000 series, dual-input HQ2000 series, and single-input HQ1000 series. These meters offer a range in measurement versatility - eliminating the need for multiple pieces of equipment.

Performing a successful calibration has never been so simple

Most measuring issues are due to incorrect calibration procedures. With our illustrated, step-by-step on-screen calibration and troubleshooting procedures, water quality professionals can succeed every time.

Deliver your daily activity in just a few clicks

Whether you are at your facility or working in the field, the Hach® HQ Series portable meter ensures your data will be safely transferred via USB.

Sensors designed for every application

We offer standard laboratory and rugged field Intellical smart sensors available with the HQ Series to measure a wide variety of parameters including Total Dissolved Solids (TDS), Optical Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Temperature, Conductivity, and pH. Intellical smart probes are automatically recognised by HQ meters, retain calibration history and method settings to minimise errors and setup time. They incorporate proven technology to deliver superior accuracy and response times – even when measuring challenging samples or challenging operating environments.

Peace of mind: Hach service and support will be there for you

Our Technical Support, Field Service, and Central Service Teams work together with over 80 years of electrochemistry expertise to help you maximise instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk. Never feel alone when you need support.

Specifications

Accessories included:	USB charger, power cable, and clips
Auto-buffer recognition:	Yes
Backlight:	Yes

Cable length:	5 m
Calibration intervals/alerts/reminder:	Off, selectable from 2 hours to 7 days
Certifications:	CE, FCC, ISED, RCM, KC, ETL Verified: US DOE/ NRCan Energy Efficiency, RoHS
Data logger:	USB connection to PC or USB storage device (limited to the storage device capacity).
Data storage:	5000 data points
Dimensions (H x W x D):	63 mm x 97 mm x 220 mm
Display:	Up to 3 parameters at a time, dependent on HQ model
Display type:	536x336 Mono-TFT
Electrode type:	Intellical Standard Laboratory or Rugged Field
Enclosure waterproof rating:	IP67 (with battery compartment installed)
Environmental conditions: relative humidity:	90% (non-condensing)
Environmental conditions: temperature:	0 - 60 °C
GLP features:	Date; Time; Sample ID; Operator ID, Calibration
Inputs:	1
Instrument:	Portable
ISE direct measurement:	No
ISE electrode calibration:	No
Kit?:	Yes
Languages user interface:	English, Chinese - Simplified, Spanish, French, German, Italian, Japanese, Turkish, Dutch, Portuguese (PT & BR), Korean, Danish, Swedish, Polish, Norwegian, Hungarian, Greek, Finnish, Czech, Romanian, Croatian, Bulgarian, Slovak, Lithuanian, Estonian, Slovenian, Russian
Lock function:	Continuous / Auto-stabilisation ("press to read") / At Interval
Measurement method:	Probe specific programmed method settings
Model:	HQ1110 pH/ORP/1 Channel
mV measurement at stable reading:	Yes
mV measurement range:	Yes
mV resolution:	0.1 mV
Operating error messages:	Clear text error messages displayed
Operating Interface:	Soft Touch Keypad
ORP electrode calibration:	Predefined ORP standards (including Zobell's solution)
Parameter:	pH/Oxidation Reduction Potential (ORP)
pH Buffer Sets:	Colour-coded: 4.01, 7.00, 10.01 pH; IUPAC: 1.679, 4.005, 7.000, 10.012, 12.45 DIN: 1.09, 4.65, 9.23 User-defined custom buffer sets
pH Electrode calibration:	1 - 3 Calibration points Calibration summary data logged and displayed
pH Measurement Range:	0 - 14 pH
pH Resolution:	Selectable: 0.001/0.01/0.1 pH
Power supply:	Rechargeable lithium-ion battery 18650 (internal) Class II, USB power adapter: 100 - 240 VAC, 50/60 Hz input; 5 VDC at 2 A USB power adapter output (external)

Probes included?:	PHC10105
Protection class:	IEC Class III (SELV (Separated/Safety Extra-Low Voltage) powered); external
Sensor A:	PHC10105
Sensor B:	None
Sensor C:	None
Storage conditions:	-20 - 60 °C, max. 90% relative humidity (non-condensing)
Temperature compensation:	Automatic Temperature compensation for pH
Temperature measurement range:	°C or °F
Temperature resolution:	0.1 °C
Type of measurement:	Field Measurements
Weight:	519 g (Meter only)
What's included?:	LEV015.98.1110A HQ1110 Portable pH/ORP Meter, 1 channel
	PHC10105 Intellical rugged field pH electrode, 5 m cable
	LEZ015.99.A002A HQ rugged electrode field case
	LEZ015.99A003A HQ hand strap & kickstand
	LEZ015.99.A004A HQ protective glove
	EZZ073 Disposable paper tissues, white, pk/200
	2770020 Singlet single-use pH Buffer, pH 4.01, pk/20
	2770120 Singlet single-use pH Buffer, pH 7.00, pk/20
	2770220 Singlet single-use pH Buffer, pH 10.01, pk/20
	5828610 Cable marker for rugged electrode
	User manuals

What's included?

LEV015.98.1110A HQ1110 Portable pH/ORP Meter, 1 channel PHC10105 Intellical rugged field pH electrode, 5 m cableLEZ015.99.A002A HQ rugged electrode field caseLEZ015.99A003A HQ hand strap & kickstandLEZ015.99.A004A HQ protective gloveEZZ073 Disposable paper tissues, white, pk/2002770020 Singlet single-use pH Buffer, pH 4.01, pk/202770120 Singlet single-use pH Buffer, pH 7.00, pk/202770220 Singlet single-use pH Buffer, pH 10.01, pk/205828610 Cable marker for rugged electrodeUser manuals