

HQ Series Portable Meters

Applications

- Drinking water
- Wastewater
- Food and beverage
- Industrial water
- Power
- Source water



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

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 or optional Bluetooth*. Take advantage of additional data validation when you connect your field meter to Claros Data Management software.

**Bluetooth connectivity currently available in North America and selected European countries.*

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.



Be Right™

Parameter Table*

Model	HQ1110 pH/ORP/ 1 Channel	HQ1130 DO/1 Channel	HQ1140 EC/TDS/ 1 Channel	HQ2100 Multi/1 Channel	HQ2200 Multi/2 Channels	HQ4100 Multi/ISE/ 1 Channel	HQ4200 Multi/ISE/ 2 Channels	HQ4300 Multi/ISE/ 3 Channels
Temperature	•	•	•	•	•	•	•	•
pH	•			•	•	•	•	•
mV	•			•	•	•	•	•
Conductivity			•	•	•	•	•	•
TDS			•	•	•	•	•	•
Salinity			•	•	•	•	•	•
Resistivity				•	•	•	•	•
Dissolved Oxygen (LDO)		•		•	•	•	•	•
BOD (with LDO)		•		•	•	•	•	•
ORP/Redox	•			•	•	•	•	•
Ammonia						•	•	•
Ammonium						•	•	•
Chloride						•	•	•
Fluoride						•	•	•
Nitrate						•	•	•
Sodium						•	•	•

*Subject to change without notice.

Technical Data*

Model	HQ1110 pH/ORP/ 1 Channel	HQ1130 DO/1 Channel	HQ1140 EC/TDS/ 1 Channel	HQ2100 Multi/ 1 Channel	HQ2200 Multi/2 Channels	HQ4100 Multi/ISE/ 1 Channel	HQ4200 Multi/ISE/ 2 Channels	HQ4300 Multi/ISE/ 3 Channels
Data storage	5000 data points			10,000 data points		100,000 data points		
Display type	536x336 Mono-TFT			536x336 Mono-TFT		640x480 Colour TFT		
Inputs	1			1	2	1	2	3
Weight (Meter only)	519 g			519 g	541 g	530 g	550 g	570 g
Warranty	EU: 2 years US and other geographies: 1 year			EU: 2 years US and other geographies: 1 year		3 years		
Dimensions (H x W x D)	63 mm x 97 mm x 220 mm							
Enclosure waterproof rating	IP67 (with battery compartment installed)							
Data storage	Automatic in Press to Read Mode and Interval Mode. Manual in Continuous Read Mode.							
Data export	USB connection to PC or USB storage device (limited to the storage device capacity).							
Software available	Claros							
Display	Up to 3 parameters at a time, dependent on HQ model							
Backlight	Yes							
Lock function	Continuous / Auto-stabilisation ("press to read") / At Interval							
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							
Certifications	CE, FCC, ISED, RCM, KC, ETL Verified: US DOE/ NRCan Energy Efficiency, RoHS							
GLP features	Date; Time; Sample ID; Operator ID, Calibration							
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)							

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Order Information

HQ Series Portable Standard Sensor Kits

LEV015.98.11101	HQ1110 Portable Dedicated pH/ORP/mV Meter with Gel pH Electrode, 1 m Cable
LEV015.98.22004	HQ2200 Portable Multi-Meter with pH and Dissolved Oxygen Electrodes, 1 m Cables
LEV015.98.11301	HQ1130 Portable Dedicated Dissolved Oxygen Meter with Dissolved Oxygen Electrode, 1 m Cable
LEV015.98.42001	HQ4200 Portable Multi-Meter with Gel pH and Conductivity Electrode, 1 m Cables
LEV015.98.42005	HQ4200 Portable Multi-Meter with Gel pH and Dissolved Oxygen Electrode, 1 m Cables
LEV015.98.43001	HQ4300 Portable Multi-Meter with Gel pH, Conductivity, and Dissolved Oxygen Electrode, 1 m Cables

HQ Series Portable Rugged Sensor Kits

LEV015.98.11103	HQ1110 Portable Dedicated pH/ORP/mV Meter with Gel pH Electrode, 5 m Rugged Cable
LEV015.98.11302	HQ1130 Portable Dedicated Dissolved Oxygen Meter with Dissolved Oxygen Electrode, 5 m Rugged Cable
LEV015.98.22006	HQ2200 Portable Multi-Meter with pH and Dissolved Oxygen Electrodes, 5 m Rugged Cables
LEV015.98.42006	HQ4200 Portable Multi-Meter with Gel pH and Dissolved Oxygen Electrode, 5 m Rugged Cables
LEV015.98.42003	HQ4200 Portable Multi-Meter with Gel pH and Conductivity Electrode, 5 m Rugged Cables

Additional Standard and Rugged Sensor Kits are available. Please contact Hach for more information.

Accessories and Consumables

LEZ015.99.A001A	Portable HQ Series Standard Field Case for Standard Probes
LEZ015.99.A002A	Portable HQ Series Field Case for Rugged Probes with Extended Cable Lengths
LEZ015.99.A003A	Kick Stand and Hand Strap for Portable HQ Series Meter
LEZ015.99.A004A	Protective Glove for Portable HQ Series Meter
LZE015.99.A005A	Wrist Strap and Dust Plugs for Portable HQ Series Meter
LEZ015.99.00001	Li-Ion Battery Replacement, HQ Series Meter
LEZ015.99.00002	USB Cable for Portable HQ Series Meter
LEZ015.99.00004	Replacement Power Supply for HQ Series Meter, EU
LEZ015.99.00006	Replacement Power Supply for HQ Series Meter, US



This instrument connects to Claros, Hach's innovative Water Intelligence System. Claros allows you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiencies in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.



With Hach Service, you have a global partner who understands your needs and cares about delivering timely, high-quality service you can trust. Our Service Team brings unique expertise to help you maximise instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.