HACH®
Be Right™

HQ Series Portable Meters

Applications
- Drinking Water
- Wastewater
- Food and Beverage
- Industrial
- Power Generation



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.

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.

Consultas y ventas: AQUAREP · www.aquarep.com.ar · info@aquarep.com.ar · WhatsApp +54 9 11 6091-0087

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	24 months			24 months		36 months		
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).							
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

LEZ015.99.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

LEZ015.99.00006 Replacement Power Supply for HQ Series Meter, US

LEZ015.99.00004 Replacement Power Supply for HQ Series Meter, EU

Intellical Probes

CDC40101	Intellical CDC401 Laboratory 4-Poles Graphite Conductivity Cell, 1 m Cable
CDC40103	Intellical CDC401 Laboratory 4-Poles Graphite Conductivity Cell, 3 m Cable
CDC40105	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 5 m Cable
CDC40110	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 10 m Cable
CDC40115	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 15 m Cable
CDC40130	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 30 m Cable
ISECL18101	Intellical ISECL181 Chloride (Cl-) Ion Selective Electrode (ISE), 1 m cable
ISECL18103	Intellical ISECL181 Chloride (Cl-) Ion Selective Electrode (ISE), 3 m cable
ISECL181AP	Intellical ISECL18101 Chloride (Cl-) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISEF12101	Intellical ISEF121 Fluoride (F-) Ion Selective Electrode (ISE), 1 m cable
ISEF12103	Intellical ISEF121 Fluoride (F-) Ion Selective Electrode (ISE), 3 m cable
ISEF121AP	Intellical ISEF12101 Fluoride (F-) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISENA38101	Intellical ISENA381 Sodium (Na^+) Ion Selective Electrode (ISE), 1 m cable
ISENA38103	Intellical ISENA381 Sodium (Na^+) Ion Selective Electrode (ISE), 3 m cable
ISENA381AP	Intellical ISENA38101 Sodium (Na^+) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISENH418101	Intellical ISENH4181 Ammonium (NH_4^+) Ion Selective Electrode (ISE), 1 m cable
ISENH418103	Intellical ISENH4181 Ammonium (NH_4^+) Ion Selective Electrode (ISE), 3 m cable
ISENH4181AP	Intellical ISENH418101 Ammonium (NH_4^+) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISENO318101	Intellical ISENO3181 Nitrate (NO_3-) Ion Selective Electrode (ISE), 1 m cable
ISENO318103	Intellical ISENO3181 Nitrate (NO_3-) Ion Selective Electrode (ISE), 3 m cable
ISENO3181AP	Intellical ISENO318101 Nitrate (NO_3-) Ion Selective Electrode (ISE) with Calibration Reagents Pack
LDO10101	Intellical LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor, 1 m Cable
LDO10103	Intellical LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor, 3 m Cable
LDO10105	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 5 m Cable
LDO10110	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 10 m Cable
LDO10115	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 15 m Cable
LDO10130	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 30 m Cable
MTC10101	Intellical MTC101 Laboratory Low Maintenance Gel Filled ORP/RedOx Electrode, 1 m Cable
MTC10103	Intellical MTC101 Laboratory Low Maintenance Gel Filled ORP/RedOx Electrode, 3 m Cable
MTC10105	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 5 m Cable
MTC10110	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 10 m Cable
MTC10115	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 15 m Cable
MTC10130	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 30 m Cable
MTC30101	Intellical MTC301 Laboratory General Purpose Refillable ORP/RedOx Electrode, 1 m Cable
MTC30103	Intellical MTC301 Laboratory General Purpose Refillable ORP/RedOx Electrode, 3 m Cable
PHC10101	Intellical PHC101 Laboratory Low Maintenance Gel Filled pH Electrode, 1 m Cable
PHC10103	Intellical PHC101 Laboratory Low Maintenance Gel Filled pH Electrode, 3 m Cable
PHC10105	Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 5 m Cable
PHC10110	Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 10 m Cable

Intellical Probes

PHC10115	Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 15 m Cable
PHC10130	Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 30 m Cable
PHC10801	Intellical PHC108 Laboratory Puncture Stainless Steel pH Electrode, 1 m Cable
PHC20101	Intellical PHC201 Laboratory General Purposes Gel Filled pH Electrode, 1 m Cable
PHC20103	Intellical PHC201 Laboratory General Purposes Gel Filled pH Electrode, 3 m Cable
PHC28101	Intellical PHC281 Water Quality Laboratory Refillable pH Electrode, 1 m Cable
PHC28103	Intellical PHC281 Water Quality Laboratory Refillable pH Electrode, 3 m Cable
PHC30101	Intellical PHC301 Laboratory General Purposes Refillable pH Electrode, 1 m Cable
PHC30103	Intellical PHC301 Laboratory General Purposes Refillable pH Electrode, 3 m Cable
PHC70501	Intellical PHC705 Laboratory General Purpose RedRod Refillable Glass pH Electrode, 1 m Cable
PHC705A01	Intellical PHC705 Laboratory High Alkalinity Range RedRod Refillable Glass pH Electrode, 1 m Cable
PHC72501	Intellical PHC725 Laboratory Low Ionic Strength Media RedRod Refillable Glass pH Electrode, 1 m Cable
PHC72901	Intellical PHC729 Laboratory Surface Measurements RedRod Refillable Glass pH Electrode, 1 m Cable
PHC73501	Intellical PHC735 Laboratory Dirty Media RedRod Refillable Glass pH Electrode, 1 m Cable
PHC74501	Intellical PHC745 Laboratory Clogging Media RedRod Refillable Glass pH Electrode, 1 m Cable
PHC80501	Intellical PHC805 Laboratory General Purpose Refillable Glass pH Electrode, 1 m Cable
MTC69501	Intellical MTC695 Double Platinum Electrode for AT/KF1000 RedOx Titrations
MTC30601	Intellical MTC306 Combined Silver Metal Electrode for AT1000 Argentometry Titrations
LBOD10101	Intellical LBOD101 Luminescent/Optical Dissolved Oxygen (LDO) Sensor for BOD Measurements, 1 m Cable
PHC70501AP	Intellical PHC705 Laboratory General Purpose RedRod Refillable Glass pH Electrode with Calibration and Maintenance Reagents Pack
PHC705A01AP	Intellical PHC705 Laboratory High Alkalinity Range RedRod Refillable Glass pH Electrode with Reagents Pack
PHC72501AP	Intellical PHC725 Laboratory Low Ionic Strength Media RedRod Refillable Glass pH Electrode with Reagents Pack
PHC72901AP	Intellical PHC729 Laboratory Surface Measurements RedRod Refillable Glass pH Electrode with Reagents Pack
PHC73501AP	Intellical PHC735 Laboratory Dirty Media RedRod Refillable Glass pH Electrode with Calibration and Maintenance Reagents Pack
PHC74501AP	Intellical PHC745 Laboratory Clogging Media RedRod Refillable Glass pH Electrode with Calibration and Maintenance Reagents Pack
PHC80501AP	Intellical PHC805 Laboratory General Purpose Refillable Glass pH Electrode with Calibration and Maintenance Reagents Pack

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