



# 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.

## 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
<b>Data storage</b>	5000 data points			10,000 data points		100,000 data points		
<b>Display type</b>	536x336 Mono-TFT			536x336 Mono-TFT		640x480 Colour TFT		
<b>Inputs</b>	1			1	2	1	2	3
<b>Weight (Meter only)</b>	519 g			519 g	541 g	530 g	550 g	570 g
<b>Warranty</b>	24 months			24 months		36 months		
<b>Dimensions (H x W x D)</b>	63 mm x 97 mm x 220 mm							
<b>Enclosure waterproof rating</b>	IP67 (with battery compartment installed)							
<b>Data storage</b>	Automatic in Press to Read Mode and Interval Mode. Manual in Continuous Read Mode.							
<b>Data export</b>	USB connection to PC or USB storage device (limited to the storage device capacity).							
<b>Display</b>	Up to 3 parameters at a time, dependent on HQ model							
<b>Backlight</b>	Yes							
<b>Lock function</b>	Continuous / Auto-stabilisation ("press to read") / At Interval							
<b>Languages user interface</b>	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							
<b>Certifications</b>	CE, FCC, ISED, RCM, KC, ETL Verified: US DOE/ NRCan Energy Efficiency, RoHS							
<b>GLP features</b>	Date; Time; Sample ID; Operator ID, Calibration							
<b>Power supply</b>	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

<b>CDC40101</b>	Intellical CDC401 Laboratory 4-Poles Graphite Conductivity Cell, 1 m Cable
<b>CDC40103</b>	Intellical CDC401 Laboratory 4-Poles Graphite Conductivity Cell, 3 m Cable
<b>CDC40105</b>	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 5 m Cable
<b>CDC40110</b>	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 10 m Cable
<b>CDC40115</b>	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 15 m Cable
<b>CDC40130</b>	Intellical CDC401 Field 4-Poles Graphite Conductivity Cell, 30 m Cable
<b>ISECL18101</b>	Intellical ISECL181 Chloride (Cl <sup>-</sup> ) Ion Selective Electrode (ISE), 1 m cable
<b>ISECL18103</b>	Intellical ISECL181 Chloride (Cl <sup>-</sup> ) Ion Selective Electrode (ISE), 3 m cable
<b>ISECL181AP</b>	Intellical ISECL18101 Chloride (Cl <sup>-</sup> ) Ion Selective Electrode (ISE) with Calibration Reagents Pack
<b>ISEF12101</b>	Intellical ISEF121 Fluoride (F <sup>-</sup> ) Ion Selective Electrode (ISE), 1 m cable
<b>ISEF12103</b>	Intellical ISEF121 Fluoride (F <sup>-</sup> ) Ion Selective Electrode (ISE), 3 m cable
<b>ISEF121AP</b>	Intellical ISEF12101 Fluoride (F <sup>-</sup> ) Ion Selective Electrode (ISE) with Calibration Reagents Pack
<b>ISENA38101</b>	Intellical ISENA381 Sodium (Na <sup>+</sup> ) Ion Selective Electrode (ISE), 1 m cable
<b>ISENA38103</b>	Intellical ISENA381 Sodium (Na <sup>+</sup> ) Ion Selective Electrode (ISE), 3 m cable
<b>ISENA381AP</b>	Intellical ISENA38101 Sodium (Na <sup>+</sup> ) Ion Selective Electrode (ISE) with Calibration Reagents Pack
<b>ISENH418101</b>	Intellical ISENH4181 Ammonium (NH <sub>4</sub> <sup>+</sup> ) Ion Selective Electrode (ISE), 1 m cable
<b>ISENH418103</b>	Intellical ISENH4181 Ammonium (NH <sub>4</sub> <sup>+</sup> ) Ion Selective Electrode (ISE), 3 m cable
<b>ISENH4181AP</b>	Intellical ISENH418101 Ammonium (NH <sub>4</sub> <sup>+</sup> ) Ion Selective Electrode (ISE) with Calibration Reagents Pack
<b>ISENO318101</b>	Intellical ISENO3181 Nitrate (NO <sub>3</sub> <sup>-</sup> ) Ion Selective Electrode (ISE), 1 m cable
<b>ISENO318103</b>	Intellical ISENO3181 Nitrate (NO <sub>3</sub> <sup>-</sup> ) Ion Selective Electrode (ISE), 3 m cable
<b>ISENO3181AP</b>	Intellical ISENO318101 Nitrate (NO <sub>3</sub> <sup>-</sup> ) Ion Selective Electrode (ISE) with Calibration Reagents Pack
<b>LDO10101</b>	Intellical LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor, 1 m Cable
<b>LDO10103</b>	Intellical LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor, 3 m Cable
<b>LDO10105</b>	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 5 m Cable
<b>LDO10110</b>	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 10 m Cable
<b>LDO10115</b>	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 15 m Cable
<b>LDO10130</b>	Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 30 m Cable
<b>MTC10101</b>	Intellical MTC101 Laboratory Low Maintenance Gel Filled ORP/RedOx Electrode, 1 m Cable
<b>MTC10103</b>	Intellical MTC101 Laboratory Low Maintenance Gel Filled ORP/RedOx Electrode, 3 m Cable
<b>MTC10105</b>	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 5 m Cable
<b>MTC10110</b>	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 10 m Cable
<b>MTC10115</b>	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 15 m Cable
<b>MTC10130</b>	Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 30 m Cable
<b>MTC30101</b>	Intellical MTC301 Laboratory General Purpose Refillable ORP/RedOx Electrode, 1 m Cable
<b>MTC30103</b>	Intellical MTC301 Laboratory General Purpose Refillable ORP/RedOx Electrode, 3 m Cable
<b>PHC10101</b>	Intellical PHC101 Laboratory Low Maintenance Gel Filled pH Electrode, 1 m Cable
<b>PHC10103</b>	Intellical PHC101 Laboratory Low Maintenance Gel Filled pH Electrode, 3 m Cable
<b>PHC10105</b>	Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 5 m Cable
<b>PHC10110</b>	Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 10 m Cable

## Intellical Probes

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

