



## HQ2200 Portable Multi-Meter with pH and Conductivity Electrodes, 1 m Cables

**Product #:** LEV015.97.22001  
**ZAR Price:** Contact Hach  
**Ships within 3-5 weeks**

### 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<sup>®</sup> 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.

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## Specifications

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|-------------------------------|-----|
| Accessories Included:         | No  |
| Automatic Buffer Recognition: | Yes |
| Backlight:                    | Yes |

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| Barometric Pressure Measurement:                  | Automatic compensation of DO when using an LDO or LBOD probe   |
| Cable Length:                                     | 1 m  |
| Calibration Intervals/Alerts/Reminder:            | Off, selectable from 2 hours to 7 days   |
| CDC Electrode Calibration:                        | Demal (1D/ 0.1D/ 0.01D);<br><br>Molar (0.1M/ 0.01M/0.001M);<br><br>NaCl (0.05%; 25µS/cm; 1000µS/cm; 18mS/cm);<br><br>Standard sea water;<br><br>User defined   |
| Certifications:                                   | CE, FCC, ISED, RCM, KC, ETL Verified: US DOE/ NRCan Energy Efficiency, RoHS  |
| Conductivity measurement: Temperature correction: | None; Linear; NaCl Non-Linear Natural Water.   |
| Conductivity Range:                               | Yes  |
| Custom Calibration Standards:                     | Yes  |
| Data Export:                                      | USB connection to PC or USB storage device (limited to the storage device capacity).   |
| Data Memory:                                      | 10,000 data points   |
| Data storage:                                     | Automatic in Press to Read Mode and Interval Mode. Manual in Continuous Read Mode.   |
| 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   |
| DO Measurement Range:                             | 0.1 - 20.0 mg/L (ppm), 1 - 200% saturation   |
| DO Resolution:                                    | 0.1  |
| Electrode Type:                                   | Intellical Standard Laboratory or Rugged Field   |
| Enclosure 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:   | 2  |
| Instrument:                                       | Portable   |
| ISE Direct Measurement Range:                     | 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:  | HQ2200 Multi/2 Channels  |
| 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, Conductivity   |
| pH Buffer Sets:             | Colour-coded: 4.01, 7.00, 10.01 pH;<br><br>IUPAC: 1.679, 4.005, 7.000, 10.012, 12.45<br><br>DIN: 1.09, 4.65, 9.23<br><br>User-defined custom buffer sets   |
| pH Electrode calibration:   | 1 - 3 Calibration points<br><br>Calibration summary data logged and displayed  |
| pH Measurement Range:       | 0 - 14 pH  |
| pH Resolution:              | Selectable:<br><br>0.001/0.01/0.1 pH   |
| Power supply:               | Rechargeable lithium-ion battery 18650 (internal)<br><br>Class II, USB power adapter: 100 - 240 VAC, 50/60 Hz input; 5 VDC at 2 A USB power adapter output (external)                            |
| Probes included:            | PHC10101, CDC40101   |
| Protection Class:           | IEC Class III (SELV (Separated/Safety Extra-Low Voltage) powered); external  |
| Salinity Measurement Range: | 0 - 42 (ppt) (‰)   |
| Salinity Resolution:        | 0.01 (ppt) (‰)   |
| Sensor A:                   | PHC10101   |
| Sensor B:                   | CDC40101   |
| Sensor C:                   | None   |
| Storage conditions:         | -20 - 60 °C, max. 90% relative humidity (non-condensing)   |
| TDS Measurement Range:      | 0.00 mg/L - 50.0 g/L NaCl  |
| TDS Resolution:             | 0.01 mg/L - 0.1 g/L upon measuring range   |
| Temperature Compensation:   | Automatic Temperature compensation for pH  |
| Temperature Measurement:    | °C or °F   |
| Temperature resolution:     | 0.1 °C   |
| Type of measurement:        | Field Measurements   |
| Warranty:                   | 12 months  |
| Weight:                     | 541 g (Meter only)   |
| What's included?:           | HQ2200 Portable pH/ORP/EC/TDS/DO Meter, 2 channels for wastewater plant testing with Intellical PHC101 gel filled pH and CDC401 Conductivity electrodes, 1 m Cables. Field accessories included. |

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