



## HQ4200 Portable Multi-Meter with Gel pH PHC101 and Conductivity Electrode, 1 m Cables

Product #: LEV015.98.42002

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<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

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

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
Certifications:	CE, FCC, ISED, RCM, KC, ETL Verified: US DOE/ NRCan Energy Efficiency, RoHS
Conductivity calibration:	Demal (1D/ 0.1D/ 0.01D);  Molar (0.1M/ 0.01M/0.001M);  NaCl (0.05%; 25µS/cm; 1000µS/cm; 18mS/cm);  Standard sea water;  User defined
Conductivity measurement range:	Yes
Conductivity measurement: Temperature correction:	None; Linear; NaCl Non-Linear Natural Water.
Custom calibration standards:	Yes
Data logger:	USB connection to PC or USB storage device (limited to the storage device capacity).
Data storage:	100,000 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:	640x480 Colour 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 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:	2
Instrument:	Portable
ISE direct measurement:	Yes
ISE electrode calibration:	Yes
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:	HQ4200 Multi/ISE/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;

	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?:	PHC10101, CDC40101
Protection class:	IEC Class III (SELV (Separated/Safety Extra-Low Voltage) powered); external
Resolution:	0.01 mg/L - 0.1 g/L upon measuring range
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
Temperature compensation:	Automatic Temperature compensation for pH
Temperature measurement range:	°C or °F
Temperature resolution:	0.1 °C
Type of measurement:	Field Measurements
Warranty:	36 months
Weight:	550 g (Meter only)
What's included?:	LEV015.98.4200A HQ4200 Portable pH/ORP/EC/TDS/DO/ISE Multi-Meter, 2 channels
	PHC10101 Intellical pH electrode, pH 2-14, 0-50 °C, 1 m cable
	CDC40101 Intellical conductivity cell, 1 m cable
	LEZ015.99.A001A HQ standard 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
	2771420 Singlet single-use conductivity standard solution, 1413 µS/cm, KCl, 20 mL

## What's included?

LEV015.98.4200A HQ4200 Portable pH/ORP/EC/TDS/DO/ISE Multi-Meter, 2 channelsPHC10101 Intellical pH electrode, pH 2-14, 0-50 °C, 1 m cableCDC40101 Intellical conductivity cell, 1 m cableLEZ015.99.A001A HQ standard electrode field caseLEZ015.99A003A HQ hand strap & kickstandLEZ015.99.A004A HQ protective glove EZZ073 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/202771420 Singlet single-use conductivity standard solution, 1413  $\mu$ S/cm, KCl, 20 mLUser manuals