

HQ440D Laboratory Dual Input, Multi-Parameter Meter - pH, Conductivity, Optical Dissolved Oxygen, ORP, and ISE



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Product #: HQ440D

USD Price: [Contact Hach](#)

Ships within 2 weeks

Flexible Laboratory bench multi Meter for efficient water quality parameters testing

Two input channels for simultaneous measurement of pH, Conductivity, Total Dissolved Solid (TDS), Optical Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Oxydo Reduction Potential (ORP/RedOx), Temperature, Ion Selective Electrode (ISE) direct concentration reading for Ammonia, Ammonium, Fluoride, Chloride, Sodium - connect any Intellical™ smart probe.

Intuitive user interface for simple operation, reliable and accurate results

Guided calibration and check standard routines reduce calibration errors while stabilization alerts and visual measurement lock ensure that you can trust the accuracy of the results.

Trust your measurements - Intellical™ smart probes store all calibrations in the probe

Calibration history allows quick and easy change out of probes without re-calibrating. The HQD™ smart system records serial numbers, current calibration data, user ID, sample ID, time, and date automatically in the data log for complete Good Laboratory Practice (GLP) traceability..

Enhance data connectivity with easy to read results

Internal USB ports simplify data transfer, peripherals, and software updates and connection to PCs printer and keyboards, with a large ultra-bright backlit LCD screen with large font size for convenient reading.

Improve productivity and save laboratory space

Multi meter capabilities in one instrument with Intellical probes makes switching parameters fast and easy by automatically recalling your measurement settings.

What's included?

Meter package includes HQ440D Laboratory Dual Inputs, Multi-Parameter Meter - pH, Conductivity, Optical Dissolved Oxygen, ORP, and ISE, 4 AA batteries, universal power adapter, USB cable for data transfer, quick start guide and user manual

Specifications

Automatic Buffer Recognition:Yes

Backlight:v

Barometric Pressure Measurement:Automatic compensation of DO when using an LDO or LBOD probe

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

Calibration Intervals/Alerts/Reminder:Off, selectable from 2 hours to 7 days

Communication:Integrated USB type A (for USB 2.0 flash memory device, printer, keyboard) and Integrated USB type B (for PC)

Compliance Certifications:CE.WEEE

Conductivity measurement:Yes

Conductivity measurement: Temperature correction:None; Linear; NaCl Non-Linear Natural Water.

Conductivity Measurement Range:0.01 $\mu\text{S}/\text{cm}$ - 200.0 mS/cm

Conductivity resolution:0.01 $\mu\text{S}/\text{cm}$ - 0.1 mS/cm upon selected measuring range

Contents:Meter Only

Custom Calibration Standards:Yes

Data Export:Download via USB connection to PC or flash memory device. Automatically transfer entire data log or as readings are taken.

Data Memory:500 records/FIFO

Data Storage:Automatic, GLP ISO compliant reading data stored with calibration details.

Dimensions:859 x 175 x 235 mm (3.38 x 6.88 x 9.25 in.)

Display:Detailed mode/Large mode

Display Type:440 x 160 pixel LCD with backlight illumination

DO Measurement Range:0.1 - 20.0 mg/L (ppm) 1 - 200% saturation

DO Resolution:0.1

DO sensor calibration:• 100% (water-saturated air (100%) calibration

- 100% with 0 (water-saturated air (100%) calibration with 0 point
- mg/L (calibration with a specified dissolved oxygen concentration (mg/L) solution)
- mg/L with 0 (calibration with a specified dissolved oxygen concentration (mg/L) solution with 0 point)
- Factory (calibration with the default LDO calibration)

Electrode stand:Optional

GLP Features:Date; Time; Sample ID; Operator ID

Instrument:Bench

IP Rating:IP54 (Resistant to spray of water; Dust-proof)

ISE Direct Measurement Range:Yes

ISE Electrode Calibration:2 - 5 points

Kit?:No

Languages:English, French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese, Turkish, Swedish, Czech, Russian

Lock Function:Continuous / Auto-stabilization ("press to read") / At Interval

Measurement Method:Probe specific programmed method settings

Model:HQ440D – Multi/2 Channels

mV Measurement at Stable Reading:Yes

mV Measurement Range:-1500 - 1500 mV

mV Resolution:0.1 mV

Needed Cable Length:NA

Operating Error Messages:Clear text error messages displayed

Operating Humidity:90 % relative humidity (non-condensing)

Operating Interface:Soft Touch Keypad

Operating Temperature:0 - +60 °C (32 - 140 °F)

ORP Electrode Calibration:Predefined ORP standards (including Zobell's solution)

Parameter:pH/Oxydo Reduction Potential (ORP)

Conductivity/Total Dissolved Solid (TDS)/Salinity/Resistivity

Dissolved Oxygen (DO)

Biochemical Oxygen Demand (BOD)

Ion Selective Electrode (ISE): Ammonia, Ammonium, Chloride, Fluoride, Nitrate, Sodium

PC Data Transfer Software:HQd Series Meter Data Transfer Utility

pH Buffer Sets:Color-coded: 4.01, 7.00, 10.01 pH;

IUPAC: 1.679, 4.005, 7.000, 10.012, 12.45 pH

DIN: 1.09, 4.65, 9.23 pH

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

Printer:Yes, Optional

Probes included:None

Region:US

Resistivity Measurement:2.5 Ω .cm - 49 M Ω .cm

Resistivity Resolution:0.1

Salinity Measurement Range:0 - 42 (ppt) (‰)

Salinity Resolution:0.01 (ppt) (‰)

Sensors:Sensor A: NA

Sensor B: NA

Sensor C: NA

Simultaneous measurements:Yes

TDS Measurement Range:0.00 mg/L - 50.0 g/L as 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 Range:-10°C - 110 °C

Temperature Resolution:0.1

Type of measurement:Lab Water Quality applications.

Warranty:3 years

Weight:750 g (1.65 lb) without batterie; 850 g (1.87 lb) with batteries

What's included?:Meter package includes HQ440D Laboratory Dual Inputs, Multi-Parameter Meter - pH, Conductivity, Optical Dissolved Oxygen, ORP, and ISE, 4 AA batteries, universal power adapter, USB cable for data transfer, quick start guide and user manual

