

# HQD Benchtop E-Chem Meters

## Applications

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



## A customized solution for water quality testing that takes the guesswork out of your measurements.

Take the guesswork out of measurements with Hach HQD laboratory meters. All HQD meters feature an advanced yet simple user interface that does not require manuals or training to operate. Measurement data can be stored and transferred to a printer, PC or USB storage device.

### About HQD and Intellical Probes

HQD meters connect with digital Intellical probes and automatically recognise the testing parameter, calibration history and method settings to minimise errors and setup time.

Intellical Red Rod pH electrodes offer exceptional performance and response time across a wide variety of sample types. The LBOD probe utilises optical technology to provide fast, accurate Dissolved Oxygen (DO) measurements while dramatically reducing maintenance costs.

Additional probes for Conductivity, Total Dissolved Solids (TDS), Ammonia, Ammonium, Fluoride, Nitrate, Sodium, Chloride and RedOx (ORP) measurements complete the Intellical portfolio.

### HQD Series Meters are Available in Three Models

- HQ411D - pH/mV/ORP (RedOx)
- HQ430D - Multi-parameter, single probe input
- HQ440D - Multi-parameter, dual probe inputs

### Key Features Common to All Models

- Designed for drinking water and wastewater professionals.
- Automatic probe and parameter recognition.
- Instrument guided calibration procedures.
- Calibration data stored in the probe.
- Probe specific method settings for regulatory compliance and Good Laboratory Practice (GLP).
- Real-time data logging with a USB connection.
- Bi-directional communication with PC-based systems with a virtual serial port connection.
- Sample ID and Operator ID for data traceability.
- Adjustable automatic shut-off.
- Durable, robust design to withstand years of use.

**Technical Data\***

Model	HQ411D – pH/1 Channel	HQ430D – Multi/1 Channel	HQ440D – Multi/2 Channels
Temperature	•	•	•
pH	•	•	•
ORP	•	•	•
Conductivity		•	•
TDS		•	•
Salinity		•	•
Resistivity		•	•
Dissolved Oxygen (LDO)		•	•
Ammonia/Ammonium		•	•
Chloride		•	•
Fluoride		•	•
Nitrate		•	•
Sodium		•	•
IP Rating	IP54 (Resistant to spray of water; Dust-proof)		
Data Memory	500 records/FIFO		
Backlight	Yes		
GLP Features	Date; Time; Sample ID; Operator ID		
Communication	Integrated USB type A (for USB 2.0 flash memory device, printer, keyboard) and Integrated USB type B (for PC)		

\*Subject to change without notice.

## Order Information

Prod. No.	Parameter	Model
HQ411D	pH/Oxydo Reduction Potential (ORP)	HQ411D – pH/1 Channel
HQ430D	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	HQ430D – Multi/1 Channel
HQ440D	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	HQ440D – Multi/2 Channels

Part numbers may vary by country.

## HQD & Intellical Benchtop Kits

8508700	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	HQ440D – Multi/2 Channels
8510200	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	HQ440D – Multi/2 Channels
8508600	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	HQ440D – Multi/2 Channels
8508500	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	HQ440D – Multi/2 Channels
8507600	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	HQ440D – Multi/2 Channels
8507600	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	HQ440D – Multi/2 Channels



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