



## DISPLAY WINDOW, MULTI, HQ440D

**Product #:** 9245600  
**AED Price:** Contact Hach

### Digital Electrochemistry: Confidence in pH , ORP, O<sub>2</sub> and Conductivity

The digital meter/electrode system HQD combines reliability, flexibility and ease of use. Interchangeable INTELICAL electrodes are recognised automatically and store all relevant data.

**Have confidence in your readings!**

**Reliable O<sub>2</sub> results with minimum effort**

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### Specifications

Auto-buffer recognition:	Color-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
Barometric pressure measurement:	For automatic compensation of DO when using an LDO or LBOD probe
BOD5/CBOD resolution:	Available when used with Hach WIMS BOD Manager software
Calibration curves display:	Calibration summary data logged and displayed
Calibration intervals/alerts/reminder:	2 hours to 7 days
Casing IP rating:	IP54
Compliance certifications:	CE
Conductivity accuracy:	± 0.5 % from (1µS/cm - 200 mS/cm)
Conductivity measurement at stable reading:	5 different stability modes
Conductivity measurement range:	0.01 µS/cm to 400 µS/cm
Conductivity resolution:	0.01 µS/cm with 2 digits
Custom calibration standards:	User-defined standard sets
Data logger:	Download via USB connection to PC or flash stick.  Automatically transfer entire data log or as readings are taken.
Data storage:	GLP/ISO compliant reading data stored with calibration details.

	Calibration details and check standard readings documented as events in data log.
	Automatically store in "press to read" mode and interval measurement mode.
	Manually store in "continuous read" mode.
Digital (intelligent) electrode inputs:	2 channel
Dimensions (H x W x D):	86 mm x 173 mm x 235 mm
Display:	Display readings from one or two probes
	Simultaneous readings from two probes (HQ440d only)
	pH: pH, mV, temperature
	Conductivity: Conductivity, TDS, salinity, resistivity, temperature
	LDO: dissolved oxygen, pressure, temperature
	LBOD: dissolved oxygen, pressure, temperature
	ORP/Redox: mV, temperature
	Sodium: Sodium, mV, temperature
Display type:	240 x 160 pixel Display readings from one or two probes
	Simultaneous readings from two probes
	pH: pH, mV, temperature
	Conductivity: Conductivity, TDS, salinity, resistivity, temperature
	LDO: dissolved oxygen, pressure, temperature
	ORP/Redox: mV, temperature
	Sodium: Sodium, mV, temperature
DO measurement range:	0.01 - 20 mg/L (0 - 200%)
DO resolution:	0.01 mg/L
Environmental conditions: relative humidity:	90 %
Environmental conditions: temperature:	5 - 45 °C
Inputs:	M12 digital (1) for IntelliCAL probes
Interface languages:	13**
Internal result storage capacity:	500
ISE direct measurement:	Yes
ISE electrode calibration:	Electrode specific - see electrode user instructions
Languages user interface:	English, French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese, Turkish, Swedish, Czech, Russian
Length:	235 mm

Lock function:	Continuous measurement or "press to read" mode available with averaging function for LDO measurement.
Measuring range:	-1500 - 1500 mV
mV accuracy:	± 0.1 mV
mV measurement at stable reading:	5 stabilization settings
mV measurement range:	-1500 to 1500 mV
mV resolution:	0.1 mV
Operating error messages:	Full text messages
Operating Interface:	Keypad
ORP electrode calibration:	Predefined ORP standards (including Zobell's solution)
Output:	USB to PC / flash stick
PC data transfer software :	included
pH Accuracy:	± 0,002 pH
pH Buffer Sets:	IUPAC standards  (DIN 19266) or Technical buffer (DIN 19267) or 4-7-10 series or user defined
pH Measurement Range:	0 - 14 pH
pH Resolution:	Selectable between 0.001 and 0.1 pH
Power requirements (Voltage):	7 V
Printer:	Optional accessory
Resolution:	0.1/ 0.01/ 0.001
Salinity resolution:	0.01 ppt
Simultaneous measurements:	2 channels
Sodium resolution:	0.001 mg/L (ppm)
Temperature compensation:	Off, automatic, and manual (auto correction is parameter dependent)
Water Resistance:	Meter Housing: Resistance to spray of water; dust-proof (IP54)
Weight:	0.850 kg