



## HQ430D Laboratory Single Input, Multi-Parameter Meter - pH, Conductivity, Optical Dissolved Oxygen, ORP, and ISE with Electrode Stand

**Product #:** HQ430D.98.00012

GBP Price: Available  
Contact Us

### Plug-and-Play with any two INTELLICAL electrodes!

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

### Specifications

Auto-buffer recognition:	Yes
Barometric pressure measurement:	Automatic compensation of DO when using an LDO or LBOD probe
Calibration intervals/alerts/reminder:	Off, Selectable from 2 hours to 7 days
Casing IP rating:	IP54 (Resistant to spray of water; Dust-proof)
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 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 at stable reading:	Yes
Conductivity measurement range:	0.01 µS/cm - 200.0 mS/cm
Conductivity measurement: Temperature correction:	None; Linear; NaCl Non-Linear Natural Water.
Conductivity resolution:	0.01 µS/cm - 0.1 mS/cm upon selected measuring range
Contents:	Meter + Probe(s) stand
Custom calibration standards:	Yes
Data storage:	500 records/FIFO
Dimensions:	859 x 175 x 235 mm
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:	<ul style="list-style-type: none"> <li>• 100% (water-saturated air (100%) calibration</li> <li>• 100% with 0 (water-saturated air (100%) calibration with 0 point</li> <li>• mg/L (calibration with a specified dissolved oxygen concentration (mg/L) solution)</li> <li>• mg/L with 0 (calibration with a specified dissolved oxygen concentration (mg/L) solution with 0 point)</li> <li>• Factory (calibration with the default LDO calibration)</li> </ul>
Electrode stand:	Included
Environmental conditions: relative humidity:	90 % relative humidity (non-condensing)
Environmental conditions: temperature:	0 - +60 °C (32 - 140 °F)
GLP features:	Date; Time; Sample ID; Operator ID
Includes:	Meter package includes HQ430D Laboratory Single Input, Multi-Parameter Meter - pH, Conductivity, Optical Dissolved Oxygen, ORP, and ISE; Universal electrode Stand with electrode holder; 4 AA batteries, universal power adapter, USB cable for data transfer, quick start guide and user manual
Instrument:	Bench
ISE direct measurement:	Yes
ISE electrode calibration:	2 - 5 points
Languages user interface:	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:	HQ430D – Multi/1 Channel
mV measurement at stable reading:	Yes
mV measurement range:	-1500 - 1500 mV
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:	<p>pH/Oxydo Reduction Potential (ORP)</p> <p>Conductivity/Total Dissolved Solid (TDS)/Salinity/Resistivity</p> <p>Dissolved Oxygen (DO)</p> <p>Biochemical Oxygen Demand (BOD)</p> <p>Ion Selective Electrode (ISE): Ammonia, Ammonium, Chloride, Fluoride, Nitrate, Sodium</p>
PC data transfer software :	HQd Series Meter Data Transfer Utility
pH Buffer Sets:	<p>Color-coded: 4.01, 7.00, 10.01 pH;</p> <p>IUPAC: 1.679, 4.005, 7.000, 10.012, 12.45 pH</p> <p>DIN: 1.09, 4.65, 9.23 pH</p> <p>User-defined custom buffer sets</p>

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
Resistivity measurement:	2.5 Ω.cm - 49 MΩ.cm
Resolution:	0.01 mg/L - 0.1 g/L upon measuring range.
Salinity measurement range:	0 - 42 (ppt) (‰)
Salinity resolution:	0.01 (ppt) (‰)
TDS measurement range:	0.00 mg/L - 50.0 g/L as NaCl
Temperature compensation:	Automatic Temperature compensation for pH
Temperature measurement range:	°C or °F
Temperature range:	-10°C - 110 °C
Temperature resolution:	0.1
Warranty:	3 years
Weight:	750 g (1.65 lb) without batterie; 850 g (1.87 lb) with batteries

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## What's in the box

Meter package includes HQ430D Laboratory Single Input, Multi-Parameter Meter - pH, Conductivity, Optical Dissolved Oxygen, ORP, and ISE; Universal electrode Stand with electrode holder; 4 AA batteries, universal power adapter, USB cable for data transfer, quick start guide and user manual