



HQ430D Benchtop Meter Package with CDC401 Conductivity Cell

Product #: 8509600
ZAR Price: Contact Hach
Ships within 1 week

Designed for water quality experts, the Hach HQ430D Laboratory Multi-Meter is an advanced laboratory meter that takes the guesswork out of measurements. HQD meters connect with smart Intellical electrodes that automatically recognize the testing parameter, calibration history, and method settings to minimize errors and setup time. The advanced HQD Laboratory Meter is designed to withstand years of continuous lab use. HQD meters feature a simple user interface that does not require manuals or training to operate. The Intellical CDC401 with 1 m cable CDC401 is a digital, graphite, 4-pole conductivity electrode, ideal for measuring electrical conductivity, salinity, resistivity, or total dissolved solids (TDS) in wastewater, drinking water, or general water quality applications.

Flexible Laboratory bench Conductivity/TDS Meter for efficient water quality parameters testing

Single input channel for flexible 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 with Intellical smart probes that 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.

Complete convenient kit

Package content includes everything you need to start testing. Details below

Specifications

| | |
|--|--|
| Automatic 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 |
| CDC Electrode 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 |
| 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 at Stable Reading: | Yes |
| Conductivity measurement: Temperature correction: | None; Linear; NaCl Non-Linear Natural Water. |
| Conductivity Range: | 0.01 µS/cm - 200.0 mS/cm |
| Conductivity resolution: | 0.01 µS/cm - 0.1 mS/cm upon selected measuring range |
| Contents: | Meter + Probe(s) + Lab. Accessories + Reagents |
| 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 |
| 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"> • 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 Holder: | NA |
| 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 |
| Instrument: | Bench |
| IP Rating: | IP54 (Resistant to spray of water; Dust-proof) |
| ISE Direct Measurement Range: | Yes |
| ISE Electrode Calibration: | 2 - 5 points |
| Kit?: | Yes |
| 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 |
| Needed Cable Length: | 1 |
| 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/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: | CDC40101 |
| Resistivity Measurement: | 2.5 Ω.cm - 49 MΩ.cm |
| Resistivity Resolution: | 0.1 |
| Salinity Measurement Range: | 0 - 42 (ppt) (‰) |
| Salinity Resolution: | 0.01 (ppt) (‰) |
| Sensor A: | CDC40101 |
| Sensor B: | NA |
| Sensor C: | NA |
| Sensors: | Sensor A: CDC40101 |
| | Sensor B: NA |
| | Sensor C: NA |
| 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: | 36 months |

| | |
|-------------------|---|
| Weight: | 750 g (1.65 lb) without batterie; 850 g (1.87 lb) with batteries |
| What's included?: | Meter package includes HQ430D Laboratory Multi Meter, Universal electrode Stand with electrode holder, CDC401 conductivity/TDS/salinity cell with 1 m cable, NaCl conductivity standard (1000 µS/cm, 491 mg/L, 100 mL), 4 Alkaline 1,5V AA batteries, Power Supply Adapter, Power Cord, USB cable for data transfer, and Operating Documentation. |

What's included?

Meter package includes HQ430D Laboratory Multi Meter, Universal electrode Stand with electrode holder, CDC401 conductivity/TDS/salinity cell with 1 m cable, NaCl conductivity standard (1000 µS/cm, 491 mg/L, 100 mL), 4 Alkaline 1,5V AA batteries, Power Supply Adapter, Power Cord, USB cable for data transfer, and Operating Documentation.