



## HQ14D Portable Conductivity, Resistivity, Salinity & TDS Meter For Water

**Product #:** HQ14D53000000  
**USD Price:** Contact Hach  
**Call for ship date**

### Dedicated Conductivity Meter

Designed for your Conductivity and TDS applications, the Hach HQ14D portable Conductivity and TDS meter is an advanced handheld digital meter that takes the guesswork out of measurements. The Hach HQD digital Conductivity/TDS meter combines reliability, flexibility and ease of use. The HQD portable meters connect with conductivity Intellical smart cells addressing different sample types and operating environment for water quality, environmental and treatment process purposes. The Intellical probe automatically recognize the testing parameter, store the calibration history, and method settings to minimize errors and setup time. In their Rugged outdoor version the Intellical sensors are nearly indestructible and available with multiple cable lengths.

### Rugged conductivity/TDS meter for efficient field water testing

Single input channel for Conductivity, Resistivity, Salinity, Total Dissolved Solids (TDS) and temperature - connect to any CDC Intellical™ smart conductivity cell, electrode, 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. Calibration status indicator and custom calibration alerts ensure accurate 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.

### Easy to Use in the Field

All connections between the meter and the probe are secure and waterproof. Connectors can be color-coded for quick identification. Information is clearly displayed on the one screen with back light for low light conditions. Display results can be enlarged.

### Designed for demanding field operating conditions

Rugged and waterproof meter design provides worry-free, reliable operation in field environments.

## Specifications

AC Power Adapter and USB/DC Adapter: Optional  
 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

Compliance Certifications:	CE.WEEE
Conductivity measurement:	Yes
Conductivity Measurement Range:	0.01 $\mu$ S/cm - 200.0 mS/cm
Conductivity measurement: Temperature correction:	None; Linear; NaCl Non-Linear Natural Water.
Conductivity resolution:	0.01 $\mu$ S/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.
Digital (intelligent) electrode inputs:	1 channel
Display:	Detailed mode/Large mode
Display Lock Function:	Continuous / Auto-stabilization ("press to read") / At Interval
Display Type:	240 x 160 pixel LCD with backlight illumination
GLP Features:	Date; Time; Sample ID; Operator ID
Inputs:	1
Instrument:	Portable
IP Rating:	IP67
Languages:	English, French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese, Turkish, Swedish, Czech, Russian
Measurement Method:	Probe specific programmed method settings
Model:	HQ14D – EC/1 Channel
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)
Parameter:	Conductivity/Total Dissolved Solid (TDS)/Salinity/Resistivity
PC Data Transfer Software:	HQd Series Meter Data Transfer Utility
Printer:	Yes, Optional
Probe Type:	IntelliCAL Standard Laboratory or Rugged Field
Probes included:	None
Salinity Measurement Range:	0 - 42 (ppt) (‰)
Salinity Resolution:	0.01 (ppt) (‰)
TDS Measurement Range:	0.00 mg/L - 50.0 g/L NaCl
TDS Resolution:	0.01 mg/L up - 0.1 g/L upon measuring range
Temperature Measurement:	°C or °F
Temperature Resolution:	0.1
Warranty:	3 years
Weight:	335 g (0.75 lb) without batteries; 430 g (0.95 lb) with

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## What's in the box?

Meter package includes HQ14D Portable Meter; 4 AA batteries; quick-start guide and user manual.

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## Required Accessories

- Intellical™ CDC401 Laboratory 4-Poles Graphite Conductivity Cell, 1 m Cable (Item CDC40101)
- Intellical™ CDC401 Laboratory 4-Poles Graphite Conductivity Cell, 3 m Cable (Item CDC40103)
- Intellical™ CDC401 Field 4-Poles Graphite Conductivity Cell, 5 m Cable (Item CDC40105)
- Intellical™ CDC401 Field 4-Poles Graphite Conductivity Cell, 10 m Cable (Item CDC40110)
- Intellical™ CDC401 Field 4-Poles Graphite Conductivity Cell, 15 m Cable (Item CDC40115)
- Intellical™ CDC401 Field 4-Poles Graphite Conductivity Cell, 30 m Cable (Item CDC40130)