



HQ14D Portable Conductivity Meter

Product #:

HQ14D53000000



Hazardous

OBSOLETE ITEM

This item is no longer available.

Items with this mark may be considered hazardous under some shipping conditions.

If necessary, we will change your selected shipping method to accommodate these items.

Rugged portable meters for use in the field and plant.

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.

Replaced by NEW HQ Series.

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
Backlight:	Yes
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
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 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 Type:	240 x 160 pixel LCD with backlight illumination
Electrode Type:	Intellical Standard Laboratory or Rugged Field
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
Inputs:	1
Instrument:	Portable
IP Rating:	IP67
Kit?:	No
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:	HQ14D – EC/1 Channel
Needed Cable Length:	NA
Operating Error Messages:	Clear text error messages displayed
Operating Interface:	Soft Touch Keypad
Parameter:	Conductivity/Total Dissolved Solid (TDS)/Salinity/Resistivity
Parameters:	Conductivity
	NA
	NA
PC Data Transfer Software :	HQD Series Meter Data Transfer Utility
Printer:	Yes, Optional
Probes included:	None
Salinity Measurement Range:	0 - 42 (ppt) (‰)
Salinity Resolution:	0.01 (ppt) (‰)

Sensor A:	NA
Sensor B:	NA
Sensor C:	NA
Sensors:	Sensor A: NA
	Sensor B: NA
	Sensor C:
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
Type of measurement:	Portable/Field Water Quality Applications
Warranty:	36 months
Weight:	335 g (0.75 lb) without batteries; 430 g (0.95 lb) with
What's included?:	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)