



HQ11d Portable Starter Package with MTC101 ORP Electrode

Product #:

8506500

 **Hazardous**

OBSOLETE ITEM
This item is no longer available.

Suggested replacements:
• MTC10101

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 ORP/RedOx applications, the Hach HQ11D portable ORP/mV meter is an advanced handheld digital meter that takes the guesswork out of measurements. The Hach HQD digital ORP/mV meter combines reliability, flexibility and ease of use. The HQD portable meters connect with a wide range of Intellical smart pH & ORP electrodes 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.

Intellical™ MTC101 is a digital, combination oxidation reduction potential (ORP/Redox) probe with a non-refillable, gel-electrolyte reference and built-in temperature sensor. MTC101 has low maintenance needs thanks to a non-refillable gel-filled single open reference junction. The laboratory version of this metallic electrode is shockproof with its epoxy plastic body protecting down to the platinum sensing element. The MTC101 electrode is ideal for measuring ORP/RedOx absolute mV values in wastewater, drinking water and aqueous media applications. The MTC101 is not suitable for use with organic solvents.

Replaced by NEW HQ Series.

Rugged ORP meter for efficient field water testing

Single input channel for pH, Oxidation Reduction Potential (ORP/mV) and temperature - connect to any pH or ORP Intellical™ smart electrode, probe and sensor.

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.

Designed for demanding field operating conditions and ease of use

Rugged and waterproof meter design provides worry-free, reliable operation in field environments. All connections between the meter and the probe are secure. 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.

Complete convenient kit

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

Specifications

AC Power Adapter and USB/DC Adapter: Optional

Automatic Buffer Recognition:	Yes
Calibration Intervals/Alerts/Reminder:	Off, selectable from 2 hours to 7 days
Compliance Certifications:	CE.WEEE
Contents:	No
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?:	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:	HQ11D – pH/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)
Parameters:	ORP
	NA
	NA
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
	DIN: 1.09, 4.65, 9.23
	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:	MTC10101
Salinity Measurement Range:	0 - 42 (ppt) (‰)
Salinity Resolution:	0.01 (ppt) (‰)
Sensor A:	MTC10101 (1 m)
Sensor B:	NA
Sensor C:	NA
Sensors:	Sensor A: MTC10101
	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 Compensation:	Automatic Temperature compensation for pH
Temperature Measurement:	°C or °F
Temperature resolution:	0.1
Type of measurement:	Field Measurements
Warranty:	36 months
Weight:	335 g (0.75 lb) without batteries; 430 g (0.95 lb) with
What's included?:	Meter package includes HQ11D Portable Meter; 4 AA batteries; Power adapter, USB/DC power adapter for data transfer; MTC101 Laboratory Gel ORP Electrode, 1 m cabl; Intellical Probe Stand; Zobell's ORP Standard solution, 500 mL Bottle; quick-start guide, test cartificate and user manuals.

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