



HQ11d Portable pH Meter

Product #:

HQ11D53000000

 **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.

Dedicated pH/ORP Meter

Designed for your pH applications, the Hach HQ11D portable pH meter is an advanced handheld digital meter that takes the guesswork out of measurements. The Hach HQD digital pH meter combines reliability, flexibility and ease of use. The HQD portable meters connect with a wide range of Intellical smart pH 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. In their Rugged outdoor version the Intellical sensors are nearly indestructible and available with multiple cable lengths.

Replaced by NEW HQ Series.

Rugged pH 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.

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
Automatic Buffer Recognition:	Yes
Backlight:	Yes
Calibration Intervals/Alerts/Reminder:	Off, selectable from 2 hours to 7 days
Compliance Certifications:	CE.WEEE
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:	HQ11D – pH/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:	pH/Oxydo Reduction Potential (ORP)
Parameters:	pH
	ORP
	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:	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 Compensation:	Automatic Temperature compensation for pH
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 HQ11D Portable Meter; 4 AA batteries; quick-start guide and user manual.

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Required Accessories

- Intellical PHC301 Laboratory General Purposes Refillable pH Electrode, 1 m Cable (Item PHC30101)
- Intellical PHC301 Laboratory General Purposes Refillable pH Electrode, 3 m Cable (Item PHC30103)
- Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 5 m Cable (Item PHC10105)
- Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 10 m Cable (Item PHC10110)
- Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 15 m Cable (Item PHC10115)
- Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 30 m Cable (Item PHC10130)
- Intellical PHC281 Water Quality Laboratory Refillable pH Electrode, 1 m Cable (Item PHC28101)
- Intellical PHC281 Water Quality Laboratory Refillable pH Electrode, 3 m Cable (Item PHC28103)
- Intellical MTC101 Laboratory Low Maintenance Gel Filled ORP/RedOx Electrode, 1 m Cable (Item MTC10101)
- Intellical MTC101 Laboratory Low Maintenance Gel Filled ORP/RedOx Electrode, 3 m Cable (Item MTC10103)
- Intellical MTC301 Laboratory General Purpose Refillable ORP/RedOx Electrode, 1 m Cable (Item MTC30101)
- Intellical MTC301 Laboratory General Purpose Refillable ORP/RedOx Electrode, 3 m Cable (Item MTC30103)
- Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 5 m Cable (Item MTC10105)
- Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 10 m Cable (Item MTC10110)
- Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 15 m Cable (Item MTC10115)
- Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 30 m Cable (Item MTC10130)
- Intellical PHC201 Laboratory General Purposes Gel Filled pH Electrode, 1 m Cable (Item PHC20101)
- Intellical PHC201 Laboratory General Purposes Gel Filled pH Electrode, 3 m Cable (Item PHC20103)
- Intellical PHC705 Laboratory General Purpose RedRod Refillable Glass pH Electrode, 1 m Cable (Item PHC70501)
- Intellical PHC805 Laboratory General Purpose Refillable Glass pH Electrode, 1 m Cable (Item PHC80501)
- Intellical PHC725 Laboratory Low Ionic Strength Media RedRod Refillable Glass pH Electrode, 1 m Cable (Item PHC72501)
- Intellical PHC735 Laboratory Dirty Media RedRod Refillable Glass pH Electrode, 1 m Cable (Item PHC73501)
- Intellical PHC745 Laboratory Clogging Media RedRod Refillable Glass pH Electrode, 1 m Cable (Item PHC74501)
- Intellical PHC705 Laboratory High Alkalinity Range RedRod Refillable Glass pH Electrode, 1 m Cable (Item PHC705A01)
- Intellical PHC729 Laboratory Surface Measurements RedRod Refillable Glass pH Electrode, 1 m Cable (Item PHC72901)