



KTO: HQ30D, PHC101-03

Product #:

HQ30D53103000

 **Hazardous**

OBSOLETE ITEM

This item is no longer available.

Suggested replacements:

- PHC10103

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.

The digital meter/electrode system HQD combines reliability, flexibility and ease of use. Interchangeable IntelliCAL™ electrodes are recognized automatically and store all relevant data. Rugged, nearly indestructible outdoor versions with multiple cable lengths.

Replaced by NEW HQ Series.

Guided Calibrations

All Hach HQd Digital Meters provide an intuitive user interface with guided calibration and check standard routines to reduce calibration errors and simplify operation. Calibration status indicator and custom calibration alerts ensure accurate results.

Traceability and Reporting

HQd meters record probe serial numbers, current calibration data, user ID, sample ID, time, and date automatically in the data log. Each measurement can be linked to sample ID, user ID, probe serial number, and more for complete traceability and regulator

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.

Error-free O₂ results without calibration or replacing the electrolyte

Full GLP data management

Specifications

AC Power Adapter and USB/DC Adapter:	Optional
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

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:	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
DO Measurement Range:	0.1 - 20.0 mg/L (ppm) 1 - 200% saturation
DO Resolution:	0.1
DO sensor calibration:	* 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 Type:	Intellical Digital SMART 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
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:	HQ30D – Multi/1 Channel
mV Measurement at Stable Reading:	Yes
mV Measurement Range:	-1500 - 1500 mV
mV Resolution:	0.1 mV
Needed Cable Length:	3
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)
Parameters:	Ion Selective Electrode (ISE): Ammonia, Ammonium, Chloride, Fluoride, Nitrate, Sodium pH
	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:	PHC10103
Salinity Measurement Range:	0 - 42 (ppt) (‰)
Salinity Resolution:	0.01 (ppt) (‰)
Sensor A:	PHC10103 (3 m)
Sensor B:	NA
Sensor C:	NA
Sensors:	Sensor A: PHC10103
	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 HQ30D Portable Meter; 4 AA batteries, PHC101 Laboratory Gel pH Electrode, 3 m cable; quick-start guide and user manuals.
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