Be Right™

2100Q IS Portable Turbidimeter (LED), 0-1000 FNU, with USB and Power Module

Product #: **2100QIS01USB**

ZAR Price: Contact Hach

Ships within 3 days

The Hach 2100Q IS Portable Turbidimeter offers unsurpassed ease of use and accuracy in turbidity measurement. Only Hach offers this unique combination of advanced features and measurement innovation, giving you accurate results every time.

The USB+Power Module provides additional benefit by allowing the user to transfer data to a PC in XML format, transfer data to the Citizen PD-24 printer (2960100), operate the instrument on line power (100-240VAC, 50/60 Hz), charge NiMH batteries (2971304),perform firmware updates, and quickly enter Sample and User IDs with the optional barcode scanner (LZV566).

Easy calibration and verification
The Hach 2100Q IS Portable Turbidimeter provides confidence your measurements are right every time. On-screen assisted calibration and verification saves you time and ensures accuracy.

With an easy-to-follow interface, complicated manuals are not needed to perform routine calibrations. Single-standard Rapidcal calibration offers a simplified solution for low level measurements.

Simple data transfer
Data transfer with the 2100Q is simple, flexible, and doesn't require additional software. All data can be transferred to the included USB +Power Module and easily downloaded to your computer with a USB connection, providing superior data integrity and availability.

Accurate for rapidly settling samples
The Hach 2100Q IS Portable Turbidimeter incorporates an innovative Rapidly Settling Turbidity mode to provide accurate, repeatable measurements for difficult to measure, rapidly settling samples.

An exclusive algorithm that calculates turbidity based on a series of automatic readings eliminates redundant measurements and estimating.

Convenient data logging
Up to 500 measurements are automatically stored in the instrument for easy access and backup. Stored information includes: date and time, operator ID, reading mode, sample ID, sample number, units, calibration time, calibration status, error messages, and the result.

Optical system for precision in the field
The two-detector optical system compensates for color in the sample, light fluctuation, and stray light, enabling analysts to achieve laboratory-grade performance on a wide range of samples, even under difficult site conditions.

Specifications

Accuracy:	± 2 % of reading plus stray light
Battery requirements:	4, AA
Certifications:	CE certified
Compliance Certifications:	CE/WEEE
Data logging:	500 records
Dimensions (H x W x D):	77 mm x 107 mm x 229 mm
Display Size:	240 x 160 pixels
Display Type:	Graphic LCD

Enclosure rating:	IP67
Interface:	USB and Power Cord
Light source:	LED
Manual Languages:	English, French, German, Italian, Spanish, Portuguese (BR), Portuguese (PT), Bulgarian, Chinese, Czech, Danish, Dutch, Finnish, Greek, Hungarian, Japanese, Korean, Polish, Romanian, Russian, Slovenian, Swedish, Turkish
Max. operating humidity:	90 %
Measurement method:	Ratio turbidimetric determination using a primary nephelometric light scatter signal (90°) and transmitted light scatter signal.
Operating temperature range:	0 - 50 °C
Power Requirement:	100 - 240 VAC, 50/60 Hz (with included USB+Power module)
Power Supply:	Batteries (see Battery Requirements)
Range:	0 - 1000 FNU
Reading modes:	Normal (Push to Read)
	Signal Averaging
	Rapidly Setting Turbidity
Reading Modes:	Normal (Push to Read), Signal Averaging, Rapidly Settling Turbidity
Repeatability:	± 1 % of reading or 0.01 FNU , whichever is greater
Response time:	6 sec in normal reading mode
Sample Cell Compatibility:	25 mm x 60 mm round
Sample Volume:	15 mL (0.5 oz.)
Signal Averaging:	Selectable on/off
Source Lamp:	Light-emitting diode (LED)
Storage conditions:	-40 °C to 60 °C
Stray Light:	< 0.02 FNU
Units:	FNU
User Interface:	Button Graphic User Interface
User Interface Languages:	English, French, German, Italian, Spanish, Portuguese (BR), Portuguese (PT), Bulgarian, Chinese, Czech, Danish, Dutch, Finnish, Greek, Hungarian, Japanese, Korean, Polish, Romanian, Russian, Slovenian, Swedish, Turkish
Warranty:	12 months
What's included?:	Includes 2100Q IS instrument kit (2100QIS01) and USB+Power Module (LZV813).

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