



2100Q Portable Turbidimeter Kit (EPA), 0-1000 NTU, with USB and Power Module

Product #: 2100Q01USB

ZAR Price: Contact Hach
Available

The Hach 2100Q 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 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 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 |

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| Enclosure rating: | IP67 |
| Includes: | Instrument, case assembly, 4 AA alkaline batteries, 6 sample cells, StablCal ampule kit, silicone oil, oiling cloth, manual. |
| Interface: | USB and Power Cord |
| Light source: | Tungsten Filament Lamp |
| 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 |
| Range 2: | NTU |
| Reading modes: | Normal (Push to Read) |
| | Signal Averaging |
| | Rapidly Setting Turbidity |
| Reading Modes: | Normal (Push to Read), Signal Averaging, Rapidly Settling Turbidity |
| Regulatory: | EPA Method 180.1 |
| Repeatability: | ± 1 % of reading or 0.01 NTU , whichever is greater |
| Response time: | 6 sec in normal reading mode |
| Sample Cell Compatibility: | 25 mm x 60 mm round |
| Sample requirements: | 15 mL (0.5 oz.) |
| Sample Volume: | 15 mL (0.5 oz.) |
| Signal Averaging: | Selectable on/off |
| Source Lamp: | Tungsten filament lamp |
| Storage conditions: | -40 °C to 60 °C |
| Stray Light: | < 0.02 NTU |
| Units: | NTU |
| 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 instrument kit (2100Q01) and USB+Power Module (LZV813.99.00002). |

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