



2100Q IS Portable Turbidimeter (LED), 0-1000 FNU

Product #: 2100QIS01
ZAR Price: Contact Hach
Ships within 3 days

The portable turbidimeter is supplied with four alkaline batteries, a carrying case with insert, primary calibration standards in 1" sealed vials (20, 100, 800 NTU), 10 NTU primary verification standard, 6 sample cells with screw-tops, instrument manual (printed & CD-ROM), quick start guide, silicone oil and oiling cloth.

Easy calibration and verification

Hach 2100Q and 2100Q IS portable turbidimeters provide the confidence your measurements are right every time. On-screen assisted calibration and verification save you time and ensure 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 / 2100Q IS is simple, flexible, and does not require additional software when used with the optional USB + Power module. All data can be transferred to the module and easily downloaded to your computer with a USB connection, providing superior data integrity and availability. With two different module options, you can customise connectivity and power to meet your unique needs.

Accurate for rapidly settling samples

The Hach 2100Q / 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 colour 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

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|----------------------------|---|
| Accuracy: | ± 2 % of reading plus stray light from 0 - 1000 FNU |
| 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 |

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| Interface: | No 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 and transmitted light scatter signal. |
| Operating temperature range: | 0 - 50 °C |
| Power Requirement: | 100 - 240 V AC / 50/60 Hz (with optional Power or USB+Power module) |
| Power Supply: | Batteries (see Battery Requirements) or Optional Power Supply |
| Range: | 0 - 1000 |
| Range 2: | 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 s in normal reading mode |
| Sample Cell Compatibility: | 25 mm x 60 mm round |
| Sample Volume: | 15 mL |
| Signal Averaging: | Selectable on/off |
| Source Lamp: | LED |
| Storage conditions: | -40 °C to 60 °C |
| Stray Light: | < 0.02 FNU |
| Units: | FNU |
| 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 |
| Weight: | 0.53 kg without batteries |
| What's included?: | Instrument, case assembly, 4 AA alkaline batteries, 6 sample cells, Stablcal ampule kit, silicone oil, oiling cloth, manual. |

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