2100Q IS Portable Turbidimeter

Product #:   **2100QIS01**

GBP Price: Contact Us

Available

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

Accuracy:	± 2 % of reading plus stray light from 0 - 1000 FNU
Battery requirements:	4 AA
Certifications:	CE certified
Compliance certifications:	CE/RoHS/WEEE
Cuvette compatibility:	25 mm x 60 mm round
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 waterproof rating:	IP67
Interface:	Optional USB
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.
Measuring mode:	Normal (Push to Read)
	Signal Averaging
	Rapidly Settling Turbidity
Measuring range:	0 - 1000
Measuring range (2):	FNU
Operating temperature range:	0 - 50 °C
Power Supply:	Batteries (see Battery Requirements) or Optional Power Supply
Power supply:	100 - 240 V AC / 50/60 Hz (with optional Power or USB+Power module)
Reading modes:	Normal (Push to Read)
	Signal Averaging
	Rapidly Setting Turbidity
Repeatability:	± 1 % of reading or 0.01 FNU whichever is greater
Response time:	6 s in normal reading mode
Sample volume:	15 mL
Signal Averaging:	Selectable on/off
Source lamp:	LED
Storage conditions:	-40 °C - 60 °C
Stray light:	< 0.02 FNU
Units:	FNU
User interface:	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:	24 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.

What's included

Instrument, case assembly, 4 AA alkaline batteries, 6 sample cells, Stablcal ampule kit, silicone oil, oiling cloth, manual.