



## 2100Q Portable Turbidimeter (EPA), 0-1000 NTU

<b>Product #:</b>	<b>2100Q01</b>
ZAR Price:	Contact Hach
Available	

Turbidimeter compliant with USEPA Method 180.1 criteria. The instrument offers unsurpassed ease of use and accuracy in turbidity measurement.

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 confidence that 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.

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## Specifications

Accuracy:	± 2 % of reading plus stray light
Battery requirements:	4, AA
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:	No 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 V AC / 50/60 Hz (with optional Power or USB+Power module)
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100 - 240 VAC
Power Supply:	Batteries (see Battery Requirements) or Optional Power Supply
Range:	0 - 1000
Range 2:	NTU
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 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:	Tungsten filament lamp
Storage conditions:	-40 °C to 60 °C
Stray Light:	< 0.02 NTU
Units:	NTU
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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