

Portable Turbidity Meter

Hach 2100Q and 2100Q is Portable Turbidimeter

The Hach 2100Q and 2100Q is Portable Turbidimeters offer unsurpassed ease of use and accuracy in turbidity measurement. Hach offers a unique combination of advanced features, such as assisted calibration, simplified data transfer, and measurement innovation, for the most accurate results every time.

FEATURES

Key Features

- Closed cap control eliminates ambient light interference.
- On-screen assisted verification assures instrument is performing correctly.
- Easy-to-follow interface in 23 pre-programmed languages.

Easy Calibration and Verification

- Accurate measurements.
- Single-standard RapidCal™ calibration for low level measurements.

Accurate for Rapidly Settling Samples

- Rapidly Settling Turbidity™ mode to provide accurate, repeatable measurements for difficult to measure, rapidly settling samples.
- Elimination of redundant measurements and estimating.

Convenient Data Logging

- Up to 500 measurements are automatically stored in the instrument.
- 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.

Simple Data Transfer

- Data transfer with optional USB+Power Module.
- All data can be transferred to the module and easily downloaded to your computer with a USB connection.
- Two different module options to customize connectivity and power.

Two Models for Specific Requirements

- **2100Q Turbidimeter** – Compliant with USEPA Method 180.1.
- **2100Q is Turbidimeter** – Compliant with ISO 7027.



All Turbidity Meters Come Complete With:

- 4 AA alkaline batteries
- Carrying case with insert
- StablCal 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 and on CD-ROM)
- Quick-start guide
- Silicone oil and oiling cloth

Power Module (Prod. No. LZV804)

- Line power: 110-230VAC, 50/60 Hz

USB+Power Module (Prod. No. LZV813)

- Line power: 110-230VAC, 50/60 Hz
- Charges NiMH batteries
- Transfers data to computer or printer
- Enables firmware updates

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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SPECIFICATIONS

Measurement Method	Ratio turbidimetric determination using a primary nephelometric light scatter signal (90°) to the transmitted light scatter signal.
Regulatory	2100Q: Meets EPA Method 180.1 2100Q is: Meets ISO 7027
Light Source	2100Q: Tungsten filament lamp 2100Q is: Light-emitting diode (LED) @ 860 nm
Range	0 to 1000 NTU (FNU)
Accuracy	±2% of reading plus stray light from 0 to 1000 NTU
Repeatability	±1% of reading, or 0.01 NTU (FNU), whichever is greater
Resolution	0.01 NTU on lowest range
Stray Light	<0.02 NTU (FNU)
Signal Averaging	Selectable On/Off
Detector	Silicon photovoltaic
Reading Modes (user selectable)	Normal (Push to Read) Signal Averaging Rapidly Settling Turbidity
Data Logger	500 records
Power Requirement	110-230 VAC, 50/60 Hz (with Power or USB+Power Module) 4 AA alkaline batteries Rechargeable NiMH batteries (for use with USB+Power Module)
Operating Conditions	Temperature: 32 to 122°F (0 to 50°C) Relative Humidity: 0 to 90% @ 86°F (30°C), 0 to 80% @ 104°F (40°C), 0 to 70% @ 122°F (50°C), noncondensing
Storage Conditions	-40 to 140°F (-40 to 60°C), instrument only
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
Interface	Optional USB
Instrument Enclosure Rating	IP67 (closed lid, battery compartment excluded)
Protection Class	Power Supply: Class II
Certification	CE certified
Sample Required	0.3 oz. (15 mL)
Sample Cells	2.36 x 1 in. (60 x 25 mm) borosilicate glass with screw cap
Dimensions	9.0 x 4.2 x 3.0 in. (22.9 x 10.7 x 7.7 cm)
Weight	1.16 lb. (527 g) without batteries 1.36 lb. (618 g) with four AA alkaline batteries
Warranty	1 year

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