



With a measurement range of 0 to 1000 NTU and a resolution of 0.01 NTU, the 2100P is ideal for regulatory monitoring, process control or field studies.



The 2100P Portable Turbidimeter brings laboratory-level performance on-site, offering fast, accurate results and the ease-of-use analysts demand in the field.



The 2100P Portable Turbidimeter comes with all the necessary testing apparatus, an instrument and operations manual, and a durable carrying case.



The farther you get from the lab, the more you'll appreciate the lightweight (2.7 kg or 6 lb) portability of the 2100P. Durable carrying case for convenient transporting is provided.



ISO 9001 Certified

2100P Portable Turbidimeter

FOR LABORATORY PERFORMANCE IN THE LAB AND IN THE FIELD



The 2100P Portable Turbidimeter offers a level of performance previously possible only with laboratory instruments. The 2100P combines microprocessor-controlled operation and Hach's patented Ratio™ optics to bring greater accuracy, sensitivity, and reliability to field testing.

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, on-

site conditions. The instrument meets or exceeds design and performance criteria as specified in the United States Environmental Protection Agency (USEPA) Method 180.1.

By providing direct digital readout in nephelometric turbidity units (NTUs), the need for calculations or interpolation of calibration charts is completely eliminated. Hach warrants the 2100P Portable Turbidimeter against defective materials or workmanship for two years from the date of purchase.

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Specifications

Principle of Operation	Nephelometric Ratio
Operating Modes	Manual or Auto Range Selection
Measurement Mode	NTU
Range	0-1000 NTU in automatic range mode. Manual range selection of 0-9.99, 0-99.9 and 0-1000 NTU
Accuracy	± 2% of reading or ± 1 least significant digit from 0-500 NTU ± 3% of reading between 500-1000 NTU
Resolution	0.01 on lowest range
Repeatability	± 1% of reading, or 0.01 NTU, whichever is greater
Light Source	Tungsten lamp. Typical lamp life is > 100,000 readings.
Signal Averaging	Selectable on/off.
Shipping Weight	2.7 kg (6 lb)
Warranty	Two years

How to Order

46500-00

Each Model 2100P Portable Turbidimeter is supplied with nine sample cells, 100 mL each of <0.1*, 20, 100, and 800 NTU StablCal® Stabilized Formazin Standards, a set of Gelex® Secondary Standards, 15 mL silicone oil and sample cell oiling cloth, Instrument and Operations Manual, Quick Reference Card, four AA alkaline batteries and carrying case.

StablCal® Stabilized Formazin Standards

- 26594-00 Calibration Set, 500 mL each
<0.1*, 20, 100, and 800 NTU
- 26595-10 Calibration Set, 100 mL each
<0.1*, 20, 100, and 800 NTU
- 26594-05 Calibration Set, sealed vials
<0.1*, 20, 100, and 800 NTU
- 26597-42 <0.1* NTU, 100 mL
- 26597-49 <0.1* NTU, 500 mL
- 26597-53 <0.1* NTU, 1 L
- 26601-42 20 NTU, 100 mL
- 26601-49 20 NTU, 500 mL
- 26601-53 20 NTU, 1 L
- 26602-42 100 NTU, 100 mL
- 26602-49 100 NTU, 500 mL
- 26602-53 100 NTU, 1 L

26605-42 800 NTU, 100 mL

26605-49 800 NTU, 500 mL

Optional Accessories

- 43975-00 Degassing Kit
- 43975-10 Sample Filtration and Degassing Kit
- 1269-36 Silicone Oil, 15 mL
- 47076-00 Sample Cell Oiling Cloth
- 46079-00 Battery Eliminator, 120 V
- 46080-00 Battery Eliminator, 230 V

*<0.1 NTU StablCal® Solution is used in place of low turbidity water when performing calibrations.

Other Hach Turbidimeters

Hach also offers a complete line of advanced, on-line turbidimeters for process monitoring, including the new 1720D Low Range Process Turbidimeter with the AquaTrend® Interface.

Laboratory turbidimeters include the 2100N and 2100AN Turbidimeters, which meet USEPA Method 180.1 standards, and the 2100N IS and the 2100AN IS Turbidimeters, which meet ISO 7027 standards. All four models offer wide measurement range, ease of calibration, and the application flexibility required for demanding laboratory use.

New StablCal® Stabilized Formazin Standards

Cited as a primary
calibration standard in
Hach Method 8195,
an acceptable version of
USEPA Method 180.1

Response identical
to formazin primary
standards, regardless
of instrument

StablCal® Stabilized
Formazin Standards
<1.0 NTU have a shelf life
of one year from date of
manufacture;
>1.0 NTU have a shelf life
of two years from date of
manufacture

Ultra low range standards
(0.10**, 0.30 and
0.50 NTU)
now available

Eliminates time-consuming
dilution procedures

Simplifies turbidimeter
calibrations



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** 0.10 NTU StablCal® Certified Standard is a standard between 0.10 and 0.15 NTU with a defined accuracy specification that is determined for each new lot of product.