

Water Quality Turbidity Meters

LaMotte 2020we & 2020wi Portable Turbidity Meters

The redesigned 2020 turbidity meters combine an advanced microprocessor with a unique patent pending optical chamber resulting in greater accuracy and a wider range.

The multi-detector optical configuration assures long term stability and minimizes stray light and color interferences. All readings are determined by the process of signal averaging over a 5 second period. This minimizes fluctuations in readings attributed to large particles and results in rapid, highly repeatable measurements. Ideally suited for both low-level drinking water applications and monitoring high turbidity in the field.

FEATURES

- Seven user selected languages – English, Spanish, French, Chinese, Japanese, Italian, and Portuguese.
- Waterproof to IP67.
- Automatic range selection from 0.05-4000 NTU.
- Tube positioning ring limits vial variability.
- Easy menu driven operation and large LCD display.
- 500 point data log, stored results can be viewed directly on instrument or downloaded to a computer via USB cable.
- 2020we version meets USEPA design criteria as specified by USEPA method 180.1.
- 2020wi version meets design criteria for quantitative methods of turbidity using optical turbidimeters as specified by ISO 7027.
- Kits are supplied with 0, 1, and 10 NTU standards, sample bottle, four sample tubes, USB cable and USB wall plug.



SPECIFICATIONS

Turbidity Specifications

Unit of Measure 2020we:	NTU, NTRU, AU, ASBC, EBC
Unit of Measure 2020wi:	FNU, FNRU, FAU, ASBC, EBC
Range:	0-4000 NTU/FNU
Resolution:	0.01 NTU/FNU 0.00-10.99 0.1 NTU/FNU 11.00-109.9 1 NTU/FNU 110-4000
Accuracy:	±2% or 0.05 NTU/FNU ±3% above 100 NTU/FNU
Detection Limit:	0.05 NTU/FNU
Range Selection:	Automatic
Reproducibility:	0.02 NTU/FNU or 1%
Light Source:	860nm LED (2020wi ISO) Tungsten (2020we EPA)

Meter Features

Signal Averaging:	Disabled, 2, 5, 10
Power:	USB wall charger or lithium-ion rechargeable battery
Data Logging:	500 points
Auto Shut-Off:	Disabled, 5, 10, 30
Optional Software:	SmartLink 3
Languages:	English, French, Spanish, Chinese, Japanese, Italian, Portuguese
Response Time:	<2 Seconds
Size:	19.05 x 8.84 x 6.35 cm (7.5 x 3.5 x 2.5 inches)

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