



2020 Portable Turbidity Meter

Portable turbidity meter for accurate bench or field studies.



- Meets ISO 7027/EPA 180.1 for Turbidity Meters
- Highly precise and accurate at low levels
- Advanced calibration algorithms
- Six user selected languages

Specifications

Instrument Type: Nephelometer

Standard:

EPA 180.1, 2020e

ISO7027, 2020i

Unit of Measure: NTU, FNU, FAU, ASBC, EBC

Range: 0-2000 NTU, 0-2000 FNU, 40-4000 FAU, 0-35000 ASBC, 0-500 EBC

Accuracy: ± 0.05 or $\pm 2\%$ for readings below 100 NTU, whichever is greater, $\pm 3\%$ above 100 NTU

Resolution:

0.01 from 0.00 -10.99 NTU/FNU

0.1 from 11.0 -109.9 NTU/FNU

1 from 110 -4000 NTU/FNU

Detection Limit: 0.05 NTU

Display: Graphic LCD

Response Time: <5 seconds

Signal Averaging: Disabled, 2, 5, 10

Light Source:

860nm LED (2020i ISO)

Tungsten (2020e EPA)

Detector:

Photodiode, centered at 90°, maximum peak 550 nm, 2020e;

Photodiode, centered at 90°, 2020i

Sample: 10 mL in capped tube

Sample Chamber: Accepts 25mm diameter flat-bottomed tubes (capped)

Data Logging: 4000 points

Serial Interface: RS232, 8 pin mDIN

Auto Shut-off: 5, 10, 30 min, disabled

Calibration: Field adjustable, 2-points

Languages: English, French, Spanish, Japanese (Kana), Portuguese, and Italian

Temperature: Operation: 0-50 °C; Storage: -40-60 °C

Operation Humidity Range: 0-90 % RH, non-condensing

Auto Shutdown: 0, 5, 10 or 30 minutes

Power Source: 9 Volt Alkaline or Optional AC adapter

Size (LXWXH): 8.5 x 16.2 x 6.7 cm, 3.4 X 6.4 X 2.6 inches

Weight: 12 oz. (339g) (Meter only)

Description

The 2020 Portable Turbidity Meter has a multi-detector optical configuration that 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. The portable turbidity meter is ideally suited for both low-level drinking water applications as well as monitoring high turbidity in the field. The portable turbidity meter comes in two designs: one with a tungsten lamp to meet EPA 180.1 specifications, the other comes with a IR LED emitter and meets the ISO 7027 standard. The portable turbidity meter uses a tube-positioning ring to limit tube variability enabling maximum sensitivity and accuracy.

The 2020 Portable Turbidity Meter uses an advanced micro controller, which allows for advanced calibration algorithms and support of up to 6 languages including English, French, Spanish, Japanese, Portuguese, and Italian. The portable turbidity meter can record up to 4000 time and date stamped data points that can be viewed directly on the portable turbidity meter or downloaded to a computer via RS232 cable.



Options and Accessories

2020e Portable Turbidity Meter (EPA)

Includes 0, 1, and 10 NTU standards, sample bottle, four sample tubes and an extra battery.

2020i Portable Turbidity Meter (ISO)

DL3001 AC Adapter
Variable 100-240 VAC

DL2001 SMARTLink 2 Software (CD)

Contact
Global Water
for all your
instrumentation
needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control



Global Water
The Leader in Water Instrumentation

In the U.S. call toll free
at 1-800-876-1172
International: 916-638-3429
Fax: 916-638-3270
Email: globalw@globalw.com

Visit our online catalog at:
www.globalw.com
Our Address:
11390 Amalgam Way
Gold River, CA 95670