Water Analysis Portable Turbidity Meters

TRB-2020-E

1 YEAR WARRANTY CE

- ✔ EPA Compliant
- ✔ For Field and Lab Use
- ✔ For Range 0 to 4000 NTU
- ✔ RS232 Interface
- ✔ Very Economical
- ✔ Micro-Processor Based
- ✔ User-Friendly Calibration and Operation

TRB-2020-E shown smaller than actual size.

The TRB-2020 combines laboratory accuracy and reliability in an extremely compact, portable instrument for turbidity measurement over the wide range of 0 to 4000 NTUs.

A multi-detector optical configuration assures long term stability and minimizes stray light and color interference. All readings are determined by the process of signal-averaging over a 5-second period minimizing fluctuations in readings attributable to large particles and enabling rapid, highly repeatable measurements.

Supplied with a 9 volt alkaline battery, the TRB-2020 is an ideal choice for regulatory monitoring, process water testing, and environmental water analysis in the field or laboratory.

This nephelometric turbidity instrument meets or exceeds EPA design specifications for NPDWR and NPDES turbidity monitoring programs as specified by USEPA method 180.1. There is also an EPA compliance reading mode which rounds the readings to meet EPA reporting requirements.

Range:
0 to 4000 NTUs. The microprocessor enables auto-ranging over the full range of 0 to 4000 nephelometric turbidity units (NTUs) and provides digital readout with a resolution of 0.01 at the lowest range and an accuracy of ±2%.

The simple calibration procedure involves activating the UP or DOWN arrow keys after reading measures the standard. The microprocessor adjusts the factory programmed calibration curve accordingly. Two primary turbidity standards are provided.

An RS232 port is provided to interface with a datalogger or computer.

Attractively priced, the TRB-2020 portable turbidity meter comes with 0, 1, and 10 NTU standards, sample bottles, 4 sample vials, extra battery, and illustrated instruction manual, all in a sturdy carrying case.

TRB-2020-E

Specifications

Instrument Type: Nephelometric turbidity; in NTU, FNU, FAU, ASBC or EBC

Range: 0 to 4000 (Autoranging) NTU

Resolution: 0.01 NTU/FNU 0.00 to 10.99, 0.1 NTU/FNU 11.00 to 109.9, 1 NTU/FNU 110 to 4000

Response Time: <5 seconds

Repeatability: 0.02 NTU/FNU, 0.5 FAU

Reading Stability:
Within 1% of final value

Accuracy: 0.05 NTU or ±2% of reading

Datalogging: Up to 4000 points

Display: 3½-digit LCD, Battery and Lamp status (EPA), LED (ISO)

Light Source: Tungsten filament lamp

Languages: English, French, Spanish, Japanese, Italian, and Portuguese

Serial Interface: RS232

Power: 9V battery (included), or 120V/60 Hz or 220V/50Hz, 100 mA, with optional adaptor

To Order

Model No.	Description
TRB-2020-E	Portable turbidity meter kit with USEPA 180.1 standard

Comes complete with rugged, waterproof carrying case, 0, 1, and 10 NTU standards, sample bottle, sample tubes, and extra battery.

Accessories

Model No.	Description
SC-1912-CD-01	CD RS232 software and cable
TRB-1754	AC adapter (variable 100 to 204 Vac)
TRB-0641	2-Pack vial ring
TRB-0475	6-Pack of vials
TRB-1480	0 NTU standard (ISO and EPA) 60 ml
TRB-1481	1 NTU standard (ISO) 60 ml
TRB-1482	10 NTU standard (ISO) 60 ml
TRB-1483	100 NTU standard (ISO) 60 ml
TRB-1484	1 NTU standard (EPA) 60 ml
TRB-1485	10 NTU standard (EPA) 60 ml
TRB-1486	100 NTU standard (EPA) 60 ml

Ordering Example: TRB-2020-E, portable turbidity meter kit for USEPA and SC-1912-CD-01, CD RS232 software and cable.