



## Water Analysis Portable Turbidity Meters

- ✓ EPA or ISO Compliant
- ✓ For Field and Lab Use
- ✓ For Range 0 to 4000 NTU
- ✓ RS-232 Interface
- ✓ Very Economical
- ✓ Micro-Processor Based
- ✓ User-Friendly Calibration and Operation

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 (TRB-2020-E) and ISO 7027 standard (TRB-2020-I). 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 direct digital readout with a resolution of 0.01 for the lowest range and an accuracy of  $\pm 2\%$ .

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

An RS-232 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  
**\$849**  
Basic Unit



TRB-2020-I,  
\$849.



TRB-2020-E, \$849,  
shown smaller  
than actual size.

## 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  $\pm 2\%$  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:** RS-232  
**Power:** 9V battery (included), or 120V/60 Hz or 220V/50Hz, 100 mA, with optional adaptor

**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

Model No.	Price	Description
TRB-2020-E	\$849	Portable turbidity meter kit with USEPA 180.1 standard
TRB-2020-I	849	Portable turbidity meter kit with ISO 7027 standard

Kit comes complete with rugged, waterproof carrying case, 0, 1, and 10 NTU standards, sample bottle, 4 sample tubes, and extra battery.

## Accessories

Model No.	Price	Description
SC-1912-CD-01	\$175	CD RS232 software and cable
TRB-1754	42	AC adapter (variable 100 to 204 Vac)
TRB-0641	11	2-Pack vial ring
TRB-0475	25	6-Pack of vials
TRB-1480	26	0 NTU standard (ISO and EPA) 60 ml
TRB-1481	42	1 NTU standard (ISO) 60 ml
TRB-1482	42	10 NTU standard (ISO) 60 ml
TRB-1483	42	100 NTU standard (ISO) 60 ml
TRB-1484	42	1 NTU standard (EPA) 60 ml
TRB-1485	42	10 NTU standard (EPA) 60 ml
TRB-1486	42	100 NTU standard (EPA) 60 ml
ES-2208	130	Reference Book: Hands On Water and Wastewater Equipment Maintenance

**Ordering Examples:** TRB-2020-E, portable turbidity meter kit for USEPA, \$849. TRB-2020-I, portable turbidity meter kit for ISO and SC-1912-CD-01, CD RS232 software and cable, \$849 + 175 = \$1024.

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