



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.

Specification

MODEL	TRB-2020-E
Instrument Type	Nephelometric
Range	0 to 4000 (Autoranging) NTU
Resolution	0.01 NTU/FNU 0.00 to 10.99,
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	: 3 1/2-digit LCD, Battery and lamp status
Light Source	: Tungsten filament lamp
Languages	: English, French, Spanish
Power	9V battery (included), or 120V/60b or 220V/50hz, 100mA with optional adaptor