2020 Portable Turbidity Meter

The 2020 sets a new standard for laboratory accuracy in an extremely compact, portable instrument for turbidity measurement.

A 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.

Specifications:	
Instrument Type:	Nephelometric turbidity; calibrated in NTU's
Range:	0-1100 NTU
Readout:	0.01 on 0-10.99 range, 0.1 on 11-109.9 range, 1 on 110-1100 range
Response Time:	5 seconds
Accuracy:	±2% of reading below 100 NTU, or ±3% above 100 NTU
Display:	3-1/2 digit LCD, Battery and Lamp status
Light Source:	Tungsten filament lamp
Sample Chamber:	Accepts 25 mm diameter flat-bottom, screw capped sample tubes
Serial Interface:	RS-232
Power:	Battery Operation: 9V alkaline Line Operation: 120v/50Hz or 220/60Hz, 100 mA, with included adapter
Size (L x W x H):	15 x 8 x 5.5 cm (6 x 3-1/4 x 2-1/2 inches)

2020 Features:

- **Field & Lab Use** - Supplied with a 9 volt alkaline battery and an AC power adapter (Order Code 1773) - the 2020 is an ideal choice for regulatory monitoring, process water testing, and environmental water analysis in the field or laboratory.
- **EPA Compliant** - 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 reading to meet EPA reporting requirements.
- **Micro Processor Based** - RANGE: 0 to 1100 NTUs. The microprocessor enables auto-ranging over the full range of 0 to 1100 nephelometric turbidity units (NTUs) and provides direct digital readout with a resolution of 0.01 for the lowest range with an accuracy of ±2%.
- **Easy to Operate & Calibrate** - The simple calibration procedure involves activating the t or s keys until the reading matches the standard. The microprocessor adjusts the factory programmed calibration curve accordingly. Two primary turbidity standards are provided.
- **European CE Mark** - The 2020 has been independently tested and has earned the European CE Mark of compliance for electromagnetic compatibility and safety.
- **RS-232 Interface** - An RS-232 port is provided to interface with a datalogger or computer. Optional cable available, Order Code 1772.
- **A Great Value** - Attractively priced, the 2020 Portable Turbidity Meter comes with AC adapter, four optically selected sample vials with screw caps, standardization package consisting of 1.0 NTU (Order Code 1476) and 10.0 NTU (Order Code 1477) AMCOTM standards, and an illustrated instruction manual, all in a sturdy carrying case.

Item Description	Order Code
Digital Turbidity Meter Model 2020 (120V/60Hz)	1799
Digital Turbidity Meter Model 2020e (120V)	1779-EPA
1.0 NTU AMCO Standard	1476
10.0 NTU AMCO Standard	1477
AC Power Adapter	1773
RS-232 Cable	1772