

## 2020w Portable Turbidity Meters



Industry-leading precision, sensitivity, and dependability in one of the most innovative WATERPROOF, handheld meters available on the market!



**IP67**  
WATERPROOF

**EPA**  
180.1

**ISO**  
7027

**2** YEAR  
WARRANTY

**CE**

The 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. Ideally suited for both low-level drinking water applications as well as monitoring high turbidity in the field.

- Seven user selected languages – English, Spanish, French, Japanese, Chinese, Italian, and Portuguese
- Advanced calibration algorithms
- Best for low range turbidity analysis
- Easy menu driven operation and large LCD display
- 500 point data log; stored results can be viewed directly on instrument or downloaded to a computer via USB cable and SmartLink 3 software [available separately]

**2020we version** meets **US EPA design** criteria as specified by EPA 180.1, Rev. 2.0 [1993] and Standard Methods 2130 B-2001.

**2020wi version** meets design criteria for quantitative methods of turbidity using optical turbidimeters as specified by **ISO 7027. Best for colored or extremely turbid samples.**

Kits are supplied with 0, 1, and 10 NTU standard, sample bottle, four sample tubes, USB cable and wall adapter.

Waterproof to IP67

Lithium rechargeable batteries

USB port

7 languages

Backlit display

EPA and ISO versions

## To Order:

**2020we Kit** · Portable turbidity meter complies with by EPA 180.1, Rev. 2.0 (1993) and Standard Methods 2130 B-2001  
Order Code 1970-EPA

**2020wi Kit** · Portable turbidity meter complies with ISO 7027 Standard  
Order Code 1970-ISO



## Accessories:

- 0 NTU/FNU Standard (EPA and ISO), 60 mL; Code 1480
- 1 NTU/FNU Standard (EPA and ISO), 60 mL; Code 1453
- 10 NTU/FNU Standard (EPA and ISO), 60 mL; Code 1454
- 100 NTU Standard (ISO), 60 mL; Code 1455
- 1 NTU Standard (EPA), 60 mL; Code 1450
- 10 NTU Standard (EPA), 60 mL; Code 1451
- 100 NTU Standard (EPA), 60 mL; Code 1452
- Formazin Standard Solution, 4000 NTU, 60 mL; Code 6195-H
- USB Cable, Code 1720
- Wall Adapter, Code 1721
- SMARTLink 3 Software; Code 1901-CD
- Six-pack of vials; Code 0290-6
- Car Charger; Code 5-0132
- Chamber Cup; Code 3-0038

**Kits are supplied with 0, 1, and 10 NTU/FNU standards, sample bottle, six sample tubes, USB cable and wall adapter—all in a sturdy carrying case.**

## Turbidity Specifications:

<b>Unit of Measure 2020we</b>	NTU, AU, ASBC, EBC
<b>Units of Measure 2020wi</b>	FNU, FAU, ASBC, EBC
<b>Range*</b>	0-4000 NTU/FNU, 0-10,500 ASBC, 0-150 EBC
<b>Resolution*</b>	0.01 NTU/FNU 0.00-10.99 0.1 NTU/FNU 11.0-109.9 1 NTU/FNU 110-4000
<b>Accuracy*</b>	From 0-2.5 NTU the accuracy is $\pm 0.05$ NTU. From 2.5-100 NTU the accuracy is $\pm 2\%$ . Above 100 NTU the accuracy is $\pm 3\%$ .
<b>Detection Limit</b>	0.05 NTU/FNU
<b>Range Selection</b>	Automatic
<b>Reproducibility*</b>	0.02 NTU/FNU or 1%
<b>Light Source</b>	Tungsten (EPA), complies with EPA 180.1, Rev. 2.0 (1993) and Standard Methods 2130 B-2001; 860nm LED (ISO), complies with ISO 7027

\*Over 600 NTU/FNU units expressed as AU/FAU

## Meter Features:

<b>Signal Averaging</b>	Disabled, 2, 5, 10
<b>Power</b>	USB computer cable, wall adapter or Lithium ion rechargeable battery, 3.7V, 2.5" x .75", 1.7 oz
<b>AC Power</b>	Optional
<b>Data Logging</b>	500 points
<b>Auto Shut-Off</b>	Disabled, 5, 10, 30 seconds
<b>Optional Software</b>	SmartLink 3
<b>Languages</b>	English, French, Spanish, Japanese, Italian, Portuguese, Chinese
<b>Response Time</b>	<2 Seconds
<b>Size</b>	7.5 x 3.5 x 2.5 inches; 19.05 x 8.84 x 6.35 cm
<b>Weight</b>	13 ounces
<b>Display</b>	6-line LCD with backlit display