

# 2020t & 2020i Portable Turbidity Meters









2020i Kit [ISO Version]  
Order Code 1974-I

2020t Kit [EPA Version]  
Order Code 1974-T



**New RATIOMETRIC design** in one of the most innovative, WATERPROOF, handheld meters available on the market!

The multi-detector optical configuration assures long-term stability and minimizes stray light and color interference. The new ratiometric design allows for easy and accurate testing. The nephelometric mode measures 0-40 NTU/FNU, ratiometric mode 40-1000 NTRU/FNRU and 1000-2000 AU. Now pinpoint the range of interest with better, more reliable results. Ideally suited for low-level drinking water applications, mid-range industrial applications, and high-range environmental applications.

- Seven user selected languages – English, Spanish, French, Japanese, Chinese, Italian, and Portuguese
- Advanced calibration algorithms
- Easy menu driven operation and large LCD display
- 500 point data log; stored results can be viewed directly on instrument

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

2020i 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.

## To Order:

2020t Kit · Portable turbidity meter complies with by EPA 180.1, Rev. 2.0 [1993] and Standard Methods 2130 B-2001

**Order Code 1974-T**

2020i Kit · Portable turbidity meter complies with ISO 7027 Standard

**Order Code 1974-I**

Waterproof to IP67

Lithium rechargeable batteries

USB port

7 languages

Backlit display

EPA and ISO versions

# 2020t & 2020i Portable Turbidity Meters

## Turbidity Specifications:

Mode	Ratiometric	Nephelometric	Attenuation
Unit of Measure <b>2020t</b>	NTRU, NTU, ASBC, EBC	NTU, ASBC, EBC	AU, NTU, ASBC, EBC
Unit of Measure <b>2020i</b>	FNRU, NTU, ASBC, EBC	FNU, NTU, ASBC, EBC	FAU, NTU, ASBC, EBC
Range	0-1,000 NTRU/FNRU 0-17,500 ASBC 0-250 EBC	0-100 NTU/FNU 0-1,750 ASBC 0-25 EBC	0-2,000 AU/FAU 0-70,000 ASBC, 0-1,000 EBC
Resolution	0-10.99 NTRU/FNRU: 0.01 11.0-109.9 NTRU/FNRU: 0.1 110-1000 NTRU/FNRU: 1	0-10.99 NTU/FNU: 0.01 11.0-100.0 NTU/FNU: 0.1	0-2000 AU/FAU: 1
Accuracy	0-2.5 NTRU/FNRU: ±0.05 2.5-100 NTRU/FNRU: ±2% 100-1000 NTRU/FNRU: ±3%	0-2.5 NTU/FNU: ±0.05 2.5-100 NTU/FNU: ±2%	0-2000 AU/FAU: ±10 AU/FAU or 6%, whichever is greater
Detection Limit	0.05 NTRU/FNRU	0.05 NTU/FNU	10 AU/FAU
Reproducibility	0.02 NTRU/FNRU or 1%	0.02 NTU/FNU or 1%	1%
Range Selection	Automatic		
Light Source	2020t: Tungsten lamp 2300 °K ±50 °K 2020i: IR LED 860 nm ±10 nm, spectral bandwidth with 50 nm		
Detector	2020t: Photodiode, centered at 90° and 180°, maximum peak 400-600 nm 2020t/i: Photodiode, centered at 90° and 180°		

## Meter Features:

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

## Accessories:

- 0 NTU Standard (EPA and ISO), 60 mL Code 1440
- 1 NTU Standard (EPA), 60 mL Code 1441
- 1 FNU Standard (ISO), 60 mL Code 1446
- 10 NTU Standard (EPA), 60 mL Code 1442
- 10 NTU Standard (ISO), 60 mL Code 1447
- 100 NTU Standard (EPA), 60 mL Code 1443
- 100 FNU Standard (ISO), 60 mL Code 1448
- Formazin Standard Solution, 4000 NTU, 60 mL Code 6195-H
- USB Cable, Code 1720
- Wall Adapter, Code 1721
- Six-pack of vials, Code 0290-6
- Car Charger, Code 5-0132

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 waterproof case.

