



The Clear Choice for Turbidity Measurement

2020 t/i

NEW Ratiometric Design



Order Code 1974-T



Order Code 1974-I



IP67
WATERPROOF

EPA
180.1

ISO
7027

2 YEAR
WARRANTY



Instrumentation for the Lab & Field!

Waterproof to IP67

Lithium rechargeable battery

USB port

7 languages

Backlit display

Tungsten & Infrared

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 standards (Code 1974-T) or 0, 10, 100 FNU (Code 1974-I)**, sample bottle, six sample tubes, USB cable and wall adapter—all in a sturdy carrying case.

To Order:

2020t Kit • Order Code 1974-T:

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

2020i Kit • Order Code 1974-I

Portable turbidity meter complies with ISO 7027 Standard

Turbidity Specifications:

Mode	Ratiometric	Nephelometric	Attenuation
Unit of Measure 2020t	NTRU, NTU, ASBC, EBC	NTU, ASBC, EBC	AU, NTU, ASBC, EBC
Unit of Measure 2020i	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 0-35,000 ASBC, 0-500 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 2020i: 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/FNU/NTRU/FNRU Standard (EPA and ISO), 60 mL Code 1480
- 1 NTU/NTRU Standard (EPA), 60 mL, Code 1441
- 10 NTU/NTRU Standard (EPA), 60 mL, Code 1442
- 10 FNU/FNRU Standard (ISO), 60 mL, Code 1447
- 100 FNU/FNRU Standard (ISO), 60 mL, Code 1444
- Formazin Standard Solution, 4000 NTU, 60 mL Code 6195-H
- USB Cable, Code 1720
- Wall Adapter, Code 1721
- Six-pack of vials, Code 0260-6
- Car Charger, Code 5-0132



LaMotte Company · PO Box 329 · Chestertown · Maryland · 21620 · USA
t: 800-344-3100 · 410-778-3100 · f: 410-778-6394 · www.lamotte.com