

Water Quality Turbidity Meters

LaMotte 2020t & 2020i Portable Turbidity Meters

The redesigned 2020 t/i turbidity meters are one of the most innovative, waterproof, handheld meters available. These instruments feature a multi-detector optical configuration that assures long-term stability and a radiometric mode for pinpoint range detection – ideally suited for low-level drinking water applications, mid-range industrial, and high-range environmental applications.

FEATURES

- 2020t version meets US EPA 180.1 design criteria
- 2020i version meets ISO 7027 design criteria
- Waterproof – IP67 rated
- Automatic range selection
- Power saving automatic shut-off
- Rechargeable Lithium Ion Batteries
- 500 point data log memory
- Multiple languages – English, Spanish, French, Chinese, Japanese, Italian, and Portuguese
- 2-year warranty

KITS INCLUDE

- LaMotte 2020 Portable Turbidity Meter
- NTU Standards (0, 1, and 10 NTU)
- Sample Bottle
- Six Sample Tubes
- USB Cable and Wall Adapter
- Sturdy Carrying Case

2020t Portable
Turbidity
Meter



2020i Portable
Turbidity Meter



LaMotte 2020t Portable Turbidity Meter Kit

Water Quality Turbidity Meters

LaMotte 2020t & 2020i Portable Turbidity Meters

SPECIFICATIONS

Turbidity Specifications

Mode	Ratiometric	Nephelometric	Attenuation
Unit of Measure			
2020t	NTRU, NTU, ASBC, EBC	NTU, ASBC, EBC	AU, NTU, ASBC, EBC
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: $\pm 2\%$ 100-1000 NTRU/FNRU: $\pm 3\%$	0-2.5 NTU/FNU: ± 0.05 2.5-100 NTU/FNU: $\pm 2\%$	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 $\pm 50^\circ$ 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

TO ORDER KITS

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

ACCESSORIES

	Code #
0 NTU/FNU/NTRU/FNRU Standard (EPA and ISO), 60 mL	1480
1 NTU/NTRU Standard (EPA), 60 mL	1441
10 NTU/NTRU Standard (EPA), 60 mL	1442
10 FNU/FNRU Standard (ISO), 60 mL	1447
100 FNU/FNRU Standard (ISO), 60 mL	1444
Formazin Standard Solution, 4000 NTU, 60 mL	6195-H
USB Cable	1720
Wall Adapter	1721
Six-Pack of Vials	0260-6
Car Charger	5-0132