LaMotte

Clear Choice for Turbidity Measurement

Instrumentation for the Lab & Field!

2020we/wi Portable Turbidity Meters

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

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.

IP67 WATERPROOF | ISO 7027 | 2 YEAR WARRANTY | CE

Waterproof to IP67

Lithium rechargeable batteries

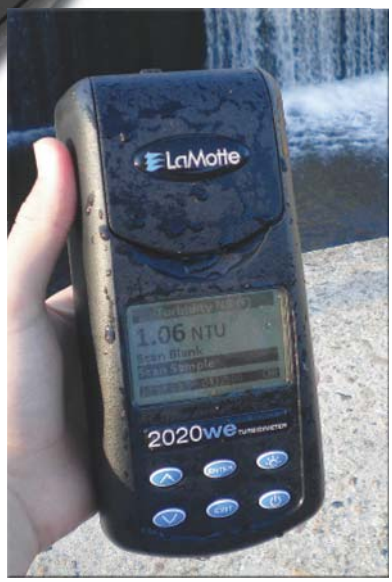
USB port

7 languages

Backlit display

EPA and ISO versions

- 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 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.***

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

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

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

Includes:

- 0 NTU Standard (ISO and EPA), 60 mL; Code 1480
- 1 NTU Standard (ISO), 60 mL; Code 1453 or 1 NTU (EPA); Code 1450
- 10 NTU Standard (ISO), 60 mL; Code 1454 or 10 NTU (EPA); Code 1451

Options:

- 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 ·

Turbidity Specifications:

Unit of Measure 2020we	NTU, AU, ASBC, EBC
Units of Measure 2020wi	FNU, FAU, ASBC, EBC
Range*	0-4000 NTU/FNU, 0-10,500 ASBC, 0-150 EBC
Resolution*	0.01 NTU/FNU 0.00-10.99 0.1 NTU/FNU 11.0-109.9 1 NTU/FNU 110-4000
Accuracy*	From 0-2.5 NTU the accuracy is ±0.05 NTU. From 2.5-100 NTU the accuracy is ±2%. Above 100 NTU the accuracy is ±3%.
Detection Limit	0.05 NTU/FNU
Range Selection	Automatic
Reproducibility*	0.02 NTU/FNU or 1%
Light Source	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:

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
AC Power	Optional
Data Logging	500 points
Auto Shut-Off	Disabled, 5, 10, 30 seconds
Optional Software	SmartLink 3
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

LTC-3000we/wi Turbidity, Chlorine & Color Laboratory Meter

The dependable choice for your next bench-top turbidimeter, now measures chlorine and color.

LTC-3000we US EPA Compliant, Order Code 1972-EPA, Turbidity (EPA 180.1, Rev. 2.0 (1993) and Standard Methods 2130 B-2001), Chlorine (Standard Methods 4500-Cl G), Color (based on Standard Methods 2120 C) Meter

LTC-3000wi ISO Compliant, Order Code 1972-ISO, Turbidity (ISO 7027), Chlorine (Standard Methods 4500-Cl G), Color (based on Standard Methods 2120 C) Meter

The LTC3000w is a benchtop turbidity, chlorine and color meter with wide range and high accuracy. ISO unit also available. The meter meets EPA 180.1, Rev. 2.0 (1993) and Standard Methods 2130 B-2001 for turbidity and Standards Methods 4500-Cl G for chlorine. The turbidity range is 0-4,000 NTU with a MDL of 0.05 NTU. The free and total chlorine range is 0-10 ppm with a MDL of 0.03 ppm. The meter can store 500 data points which can be downloaded to a computer, allows 7 different languages, and runs on rechargeable batteries or a USB computer/wall adapter.

Accessories

0290-6	Six pack of tubes
1480	0 NTU/FNU Standard (EPA and ISO), 60 mL
1450	1 NTU Standard (EPA), 60 mL
1451	10 NTU Standard (EPA), 60 mL
1452	100 NTU Standard (EPA), 60 mL
1453	1 FNU Standard (ISO), 60 mL
1454	10 FNU Standard (ISO), 60 mL
1455	100 FNU Standard (ISO), 60 mL
6903A-J	Chlorine DPD #1 Tablets, 100
6197A-J	Chlorine DPD #3 Tablets, 100
1901-CD	SMARTLink3 Software
6195-H	Formazin standard solution, 4000 NTU, 60 mL
4140-02	DPD Chlorine secondary standards kit
3176-02	FAS-DPD Titration kit for chlorine titration
6973-H	Standard chlorine solution, 250 ppm, 60 mL
6973-L	Standard chlorine solution, 250 ppm, 475 mL
3858-H	Permanganate solution, 1000 ppm, 60 mL

Meter Features

Signal Average	Disabled, 2, 5, 10
Power	USB computer cable, wall adapter or Lithium ion rechargeable battery, 3.7V, 2.5" x 0.75", 1.7 oz
Data Logging	500 points
Auto Shut-Off	Disabled, 5, 10, 30
Languages	English, French, Spanish, Japanese, Italian, Portuguese, Chinese
Response Time	<2 Seconds
Dimensions	8.75 W x 7.75 D x 3 H inches 22.2 W x 19.7 D x 7.6 H cm

Turbidity

Unit of Measure	NTU, FNU, AU, FAU, ASBC, EBC
Range*	0-4000, 0-10,500 ASBC, 0-150 EBC
Resolution*	0.01 NTU/FNU 0.00-10.99; 0.1 NTU/FNU 11.0-109.9; 1 NTU/FNU 110-4000
Range Selection	Automatic
Accuracy*	From 0-2.5 NTU/FNU the accuracy is ±0.05 NTU/FNU. From 2.5-100 NTU/FNU the accuracy is ±2%. Above 100 NTU/FNU the accuracy is ±3%.
Detection Limit	0.05 NTU/FNU
Reproducibility*	0.02 NTU/FNU, or 1%
Stray Light	<0.02 NTU FNU
Light Source	Tungsten (EPA), complies with EPA 180.1, Rev. 2.0 (1993) and Standard Methods 2130 B-2001, 860mm LED (ISO), complies with ISO 7027
Signal Averaging	Disabled, 2, 5, 10

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

Chlorine

Range	0-10 ppm, Free and Total Chlorine
Resolution	0.00-5.00 ppm Range: 0.01 ppm; 5.0-10.0 ppm Range: 0.1 ppm
Accuracy	Tablet: 0-1.0 ppm Range: ±0.03 ppm 1.0-3.0 ppm Range: ±0.06 ppm 3.0-6.0 ppm Range: ±0.3 ppm 6.0-10.0 ppm Range: ±2.5 ppm Liquid: 0-0.5 ppm Range: ±0.03 ppm 0.6-3.0 ppm Range: ±0.06 ppm 3.0-6.0 ppm Range: ±0.4 ppm 6.0-10.0 ppm Range: ±1.5 ppm
Detection Limit	0.03 ppm
Response Time	<5 Seconds
Light Source	525 nm LED, complies with Standard Methods 4500-Cl G

Color

Range	0-1000 cu
Detection Limit	20 cu
Accuracy	±15 cu
Light Source	428 LED

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