

Lovibond® Water Testing

Tintometer® Group



TB300 IR with battery, Laboratory Turbidimeter, ISO



- Meets EN ISO 7027
- Automatic overall range adjustment with Standard-Set T-Cal
- Autoranging
- High accuracy

Part Number: 194000-B

Turbidity is measured according to EN ISO 7027 by nephelometric means (90° scattered light). The infrared light-source permits measurement of colored and color-free samples. The automatic measurement range detection facility (Autorange) enables direct turbidity measurement from 0.01 to 1100 NTU with an accuracy of $\pm 2\%$

up to 500 NTU and $\pm 5\%$ thereafter. A large graphic display, a choice of several different languages and user-friendly operating instructions make the device extremely easy to use. Software updates (for example: languages) can be downloaded free of charge from our website www.lovibond.com.

Industry

Chemical Industry | Food and Beverage Industry | Industries Others | Marine Industry | Municipalities | NGO | Oil and Gas | Pharmaceutical Industry | Power and Energy

Application

Drinking Water Treatment | Pool Water Control | Waste Water Treatment

TB300 IR with battery, Laboratory Turbidimeter, ISO

Discover the measurement of laboratory measurement with the portable benchtop turbidimeter TB300 IR. It guarantees high accuracy and is able to determine both colored and color-free samples with infrared light source, 90° scattered light and automatic measurement range detection.

Measuring Range

Test Name	Measuring Range
Turbidity	0.01 - 1100 NTU

Technical Data

Optics	Turbidity is measured according to EN ISO 7027 by nephelometric means (90° scattered light)
Measuring Principle	nephelometric (90° scattered light)
Measuring Range	0.01 - 1100 NTU (Autorange)
Accuracy	± 2 % of reading, or ± 0.01 NTU, whichever is bigger, in the range of 0.01 - 500 NTU ; ± 5 % of reading in the range of 500 - 1000 NTU
Suitable Vials	Round Cuvettes 24 mm
Display	Graphic-Display
Interfaces	RS 232
Operation	acid and solvent resistant; membrane keypad
Calibration	automatic overall range adjustment with Standard-Set T-Cal
Updates	Software update via Internet
Internal Storage	1000 data sets
Clock	Real Time Clock
Portability	Benchtop
Compliance	CE
Dimensions	10.43 x 7.68 x 2.76"
Weight with Packaging	(incl. batteries)

Delivery Scope

- Instrument in carrying case
- 1 Set of turbidity standards T-CAL
- 7 Rechargeable batteries (AA)
- 1 Lithium battery
- Mains charger
- 100-240 V
- PC Connection cable
- 4 Vials (ø 24 mm) with lids
- Warranty information
- Certificate of Compliance
- Instruction Manual

Title	Part Number
Mains charger, 100-240 V, 50-60 Hz, with international adapters	193010
Set turbidity standards T-CAL (<0,1, 20, 200, 800 NTU)	194150
Lithium battery CR2032	1950017
Ni-MH AA Batteries, 1100 mAh, set of 7	1950020
Cleaning cloth	197635
Sample cuvettes with black lid, Height 55 mm, ø 24 mm, set of 12	197655
Sample chamber lid	19801119
Rubber seal cap, black, TB 300 IR	19801716
T-CAL®-Standard, 4000 NTU, 125 ml	48012912
T-CAL®-Standard, 4000 NTU, 500 ml	48012950

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