

Lovibond® Water Testing Tintometer® Group



TB 300 IR with battery



Turbidity is measured according to EN ISO 7027 by nephelometric means (90° scattered light). The infrared light-source permits measurement of coloured and colour-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.

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

Part Number: 194000-B

Industry

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

Measuring Range

Test Name	Measuring Range
Turbidity	0.01 - 1100 NTU

Technical Data

Light Source	IR-LED (860 nm)
Optics	Turbidity is measured according to EN ISO 7027 by nephelometric means (90° scattered light)
Accuracy	$\pm 2\%$ of reading, or ± 0.01 NTU, whichever is bigger, in the range of 0.01 - 500 NTU ; $\pm 5\%$ of reading in the range of 500 - 1000 NTU
Operation	acid and solvent resistant; membrane keypad
Display	Graphic-Display
Suitable Vials	Round Cuvettes 24 mm
Calibration	automatic overall range adjustment with Standard-Set T-Cal
Interfaces	RS 232
Updates	Software update via Internet
Internal Storage	1000 data sets
Power Supply	7 NiMH-battery pack (AA/Mignon)
Auto – OFF	Yes
Measuring Principle	nephelometric (90° scattered light)
Measuring Range	0.01 - 1100 NTU (Autorange)

Clock	Real Time Clock
Portability	Benchtop
Environmental Conditions	5 - 40 °C at 30 - 90 % relative humidity (non condensing)
Compliance	CE
Dimensions	265 x 195 x 70 mm
Weight	1000 g (incl. batteries)
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

Accessories

Title	Part Number
Mains charger, 100-240 V, 50-60 Hz, with international adapters	193010
Formazin Stock Solution (4000 NTU), 125 ml	194141
Formazin Stock Solution (4000 NTU), 250 ml	194142
Set turbidity standards T-CAL (<0.1, 20, 200, 800 NTU)	194150
Lithiumbattery CR2032	1950017
Ni-MH-Akku AA Mignon, 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
Connection cable to a PC, seriell 9-pins	198198

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