

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 (Aurorance) 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

Application

Drinking Water Treatment | Pool Water Control | Waste Water Treatment

TB 300 IR with battery

Discover the measurement of laboratory measurement with the portable benchtop turbidimeter TB300 IR. It guarantees high accuracy and is able to determine both coloured and colour-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
Auto – OFF	Yes
Calibration	automatic overall range adjustment with Standard-Set T-Cal
Updates	Software update via Internet
Internal Storage	1000 data sets
Power Supply	7 NiMH-battery pack (AA/Mignon) Universal (90 - 240 VAC), via external power supply
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

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
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
T-CAL®-Standard, 4000 NTU, 125 ml	48012912
T-CAL®-Standard, 4000 NTU, 500 ml	48012950
Factory calibration certificate ISO 9001 for TB210 IR/TB 211 IR/TB300 IR	999765

Tintometer GmbH

Lovibond® Water Testing
Schleefstraße 8-12
44287 Dortmund
Tel.: +49 (0)231/94510-0
sales@lovibond.com
www.lovibond.com
Germany

The Tintometer Limited

Lovibond House
Sun Rise Way
Amesbury, SP4 7GR
Tel.: +44 (0)1980 664800
Fax: +44 (0)1980 625412
sales@lovibond.uk
www.lovibond.com
UK

Tintometer China

9F, SOHO II C.
No.9 Guanghualu,
Chaoyang District,
Beijing, 100020
Customer Care China Tel.: 4009021628
Tel.: +86 10 85251111 Ext. 330
Fax: +86 10 85251001
chinaoffice@tintometer.com
www.lovibond.com
China

Tintometer South East Asia

Unit B-3-12, BBT One Boulevard,
Lebuh Nilam 2, Bandar Bukit Tinggi,
Klang, 41200, Selangor D.E
Tel.: +60 (0)3 3325 2285/6
Fax: +60 (0)3 3325 2287
lovibond.asia@tintometer.com
www.lovibond.com
Malaysia

Tintometer Brazil

Caixa Postal: 271
CEP: 13201-970
Jundiaí – SP
Tel.: +55 (11) 3230-6410
sales@lovibond.us
www.lovibond.com.br
Brazil

Tintometer Inc.

6456 Parkland Drive
Sarasota, FL 34243
Tel: 941.756.6410
Fax: 941.727.9654
sales@lovibond.us
www.lovibond.us
USA

Tintometer India Pvt. Ltd.

Door No: 7-2-C-14, 2nd, 3rd & 4th Floor
Sanathnagar Industrial Estate,
Hyderabad, 500018
Telangana
Tel: +91 (0) 40 23883300
Toll Free: 1 800 599 3891/ 3892
indiaoffice@lovibond.in
www.lovibondwater.in
India

Tintometer Spain

Postbox: 24047
08080 Barcelona
Tel.: +34 661 606 770
sales@tintometer.es
www.lovibond.com
Spain