

# Lovibond® Water Testing Tintometer® Group



## TB 300 IR with battery



- 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 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](http://www.lovibond.com).

### 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

Optics	Turbidity is measured according to EN ISO 7027 by nephelometric means (90° scattered light)
Accuracy	$\pm 2\%$ of reading, or $\pm 0.01$ 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
Measuring Principle	nephelometric (90° scattered light)
Internal Storage	1000 data sets
Measuring Range	0.01 - 1100 NTU (Autorange)
Power Supply	7 NiMH-battery pack (AA/Mignon)
Auto – OFF	Yes
Clock	Real Time Clock

<b>Portability</b>	Benchtop
<b>Environmental Conditions</b>	5 - 40 °C at 30 - 90 % relative humidity (non condensing)
<b>Compliance</b>	CE
<b>Dimensions</b>	265 x 195 x 70 mm
<b>Weight</b>	1000 g (incl. batteries)
<b>Weight with Packaging</b>	(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

**Tintometer GmbH**  
 Lovibond® Water Testing  
 Schleefstraße 8-12  
 44287 Dortmund  
 Tel.: +49 (0)231/94510-0  
 Fax: +49 (0)231/94510-30  
 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**  
 Room 1001, China Life Tower  
 16 Chaoyangmenwai Avenue,  
 Beijing, 100020  
 Tel.: +86 10 85251111 App. 330  
 Fax: +86 10 85251001  
 chinaoffice@tintometer.com  
 www.lovibond.com  
 China

**Tintometer South East Asia**  
 Unit B-3-12, BBT One Boulevard,  
 Lebuhr 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@tintometer.com.br  
 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.com  
 USA

**Tintometer India Pvt. Ltd.**  
 Door No: 7-2-C-14, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> 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