

# 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](http://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

<b>Optics</b>	Turbidity is measured according to EN ISO 7027 by nephelometric means (90° scattered light)
<b>Measuring Principle</b>	nephelometric (90° scattered light)
<b>Measuring Range</b>	0.01 - 1100 NTU (Autorange)
<b>Accuracy</b>	± 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
<b>Suitable Vials</b>	Round Cuvettes 24 mm
<b>Display</b>	Graphic-Display
<b>Interfaces</b>	RS 232
<b>Operation</b>	acid and solvent resistant; membrane keypad
<b>Auto – OFF</b>	Yes
<b>Calibration</b>	automatic overall range adjustment with Standard-Set T-Cal
<b>Updates</b>	Software update via Internet
<b>Internal Storage</b>	1000 data sets
<b>Power Supply</b>	7 NiMH-battery pack (AA/Mignon) Universal (90 - 240 VAC), via external power supply
<b>Clock</b>	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

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

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