

# Lovibond® Water Testing Tintometer® Group



## TB 300 IR without lithium battery



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

Part Number: 194000

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

### Application

Drinking Water Treatment | Pool Water Control | Waste Water Treatment

### TB 300 IR without lithium 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
- 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
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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