

# Lovibond® Water Testing Tintometer® Group



## TB350 IR Portable Turbidimeter, ISO

Laboratory accuracy meets portability



- Reads up to 4000 NTU without the need for dilutions
- Touchscreen interface for ease of operation
- Easily save and recall measurement data sets
- ISO 7027 compliant

Part Number: 194300

Ideal for field and environmental testing, the TB350 IR turbidimeter delivers the most reliable measurements for low range to high range samples without sacrificing accuracy. Featuring the patent-pending Multipath 90° BLAC® sensor technology, the optical system is engineered with dual detectors to deliver a ratio reading which mitigates common measurement stability issues.

The intuitive, touchscreen interface makes it easy to perform procedures and interpret results. With function applications, you can navigate between settings and performing that function efficiently. This user interface eliminates common frustrations and prevents errors.

The data logging capabilities allow you to record the testing location, operator's identification, time and date along with the measurement. Stored data can be transferred to a computer via USB.

Supplied ready-to-use with sample cells, silicone oil and calibration standards in carrying case.

At Lovibond®, we look out for the little things that make a big difference. On the surface, turbidity analysis is a simple measurement. However, there are many factors that can affect the accuracy of readings or the dependability of an instrument. We obsess about turbidity measurement so you don't have to. Our team of globally recognized turbidity experts work to anticipate and solve operators' struggles with turbidity measurement.

### Industry

Chemical Industry | Food and Beverage Industry | Municipalities

### Application

Drinking Water Treatment | Pool Water Control |  
Waste Water Treatment

### TB350 IR Portable Turbidimeter, ISO

Ideal for field and environmental testing, the TB350 IR turbidity meter delivers the most reliable measurements for low range to high range samples without sacrificing accuracy.

### Measuring Range

Test Name	Measuring Range
Turbidity	0.01 - 4000 NTU

## Technical Data

<b>Model</b>	Model WM-040-1004 (IR)
<b>Light Source</b>	IR LED (860 nm)
<b>Regulatory Compliance</b>	ISO 7027
<b>Measuring Principle</b>	Nephelometric (Multipath 90° BLAC)
<b>Measuring Range</b>	0.01 - 4000 NTU (FNU)
<b>Accuracy</b>	± 1.8 % of reading + straylight
<b>Stray Light</b>	< 0.014 NTU
<b>Display Units</b>	NTU, FNU, Degrees, mg/L Kaolin, mg/L PSL
<b>Reading Modes</b>	Single, Signal Averaging, Fast-Settling
<b>Calibration Options</b>	Full-range calibration from 0 - 4000 NTU
<b>Detector</b>	Silicon Photodiode
<b>Sample Required</b>	10 mL (0.4 oz)
<b>Display</b>	Full-Colour Touchscreen
<b>Display Size</b>	55 x 95 mm (W x H)
<b>Interfaces</b>	USB-A USB-C
<b>Data Logger</b>	250 measurements, all calibrations, verifications and factory-restore actions
<b>Data Transfer Format</b>	.csv
<b>Power Supply</b>	4 batteries (AA) 3 NiMH-battery pack (AA) Universal (90 - 240 VAC), via external power supply
<b>Compliance</b>	CE CSA FCC A RoHS TÜV UL WEE
<b>Languages User Interface</b>	German, English, French, Spanish, Portuguese, Chinese, Japanese, Dutch, Turkish, Polish
<b>Languages Quick Start Guide</b>	German, English, French, Spanish, Italian, Portuguese, Chinese, Dutch, Turkish, Russian
<b>Languages Full User Manual</b>	German, English, French, Spanish, Italian, Portuguese, Chinese, Dutch, Turkish, Russian
<b>Dimensions</b>	6.1 x 3.27 x 8.86"
<b>Weight with Packaging</b>	(898 g with four AA alkaline batteries)

## Accessories

Title	Part Number
Set turbidity standards T-CAL (5, 20, 800, 4000 NTU)	194154
Silicon oil	194295
Batteries (AA), set of 4	1950025
Cleaning cloth	197635
Sample cuvettes with black lid, Height 55 mm, ø 24 mm, set of 12	197655
Rechargeable battery pack, Ni-MH	19820-011
USB-C cable 1 m, USB-C to A	19820-081
Power supply TB series	19820-170
Brush, 11 cm length	380230
Cuvette stand for 6 round cuvettes Ø 24 mm	418951
T-CAL®-Standard, 4000 NTU, 125 ml	48012912
T-CAL®-Standard, 4000 NTU, 500 ml	48012950

## Delivery Scope

- TB350 IR in case
- 2 cuvettes with lids
- 1 Cleaning cloth for cuvettes
- 1 Cleaning brush
- Silicon oil, 15 mL
- 4 Batteries (AA)
- 1 T-CAL®-Standard, 5 NTU
- 1 T-CAL®-Standard, 20 NTU
- 1 T-CAL®-Standard, 800 NTU
- 1 T-CAL®-Standard, 4000 NTU
- 1 Screw driver
- 1 Quick Start Guide
- 1 Test Certificate T-CAL®
- 1 Warranty information

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