

Lovibond® Water Testing

Tintometer® Group



TB 211 IR

with USB interface



The compact Lovibond® infrared turbidity measuring instrument TB 211 IR for fast and accurate on-site analysis. It is measured as provided in EN ISO 7027, the scattered light at an angle of 90 °. The wide measuring range from 0.01 to 1100 TE / F = NTU = FNU with a detection limit of 0.01 NTU allows the use of the device in different areas, from drinking water to wastewater. Since the measurements are made by means of infrared light, both colored and colorless water samples can be measured. A direct transfer of the measurement results to a PC is through the USB interface TB 211 IR easy to set up. The necessary USB cable is already part of the delivery.

- USB interface
- Range 0.01 - 1100 NTU
- Measurement according to EN ISO 7027
- Measurement with infrared light at an angle of 90 °

Part Number: 266030

Industry

Chemical Industry | Industries Others | Marine Industry | Municipalities | NGO | Oil and Gas | Pool Public | Pool Services

Application

Drinking Water Treatment | Pool Water Control | Waste Water Treatment

TB 211 IR

A compact instrument for reliable and easy determination of turbidity. A ring memory with 125 data sets and a USB interface guarantee an efficient data management.

Measuring Range

Test Name	Measuring Range
Turbidity	0.01 - 1100 NTU

Technical Data

Optics	temperaturecompensated LED ($\lambda = 860 \text{ nm}$) and photosensor amplifier in water proof sample chamber, infrared light
Measuring Principle	nephelometric (90° scattered light)
Measuring Range	0,01-1100 NTU (Autorange)
Accuracy	$\pm 2.5 \%$ of reading, or $\pm 0.01 \text{ NTU}$, whichever is bigger, in the range of 0.01 - 500 NTU ; $\pm 5 \%$ of reading in the range of 500 - 1000 NTU
Display	backlit LCD
Interfaces	Micro-USB
Operation	polycarbonate membrane, splash proof
Auto – OFF	Yes
Internal Storage	internal ring memory for 125 data sets
Power Supply	9 V-block
Clock	Real Time Clock and Date
Portability	Portable
Environmental Conditions	5 - 40 °C at 30 - 90 % relative humidity (non condensing)
Compliance	CE
Dimensions	110 x 55 x 190 mm
Weight	400 g (Basic unit)
Weight with Packaging	(Basic unit)

Delivery Scope

- Instrument in carrying case
- 4 turbidity standards (< 0,1, 20, 200 and 800 NTU)
- 9 V battery
- 2 vials ($\varnothing 24 \text{ mm}$) with lids
- USB cable 1.5 m
- Warranty information
- Certificate of Compliance
- Instruction Manual

Title	Part Number
Set turbidity standards T-CAL (<0,1, 20, 200, 800 NTU)	194150
Battery 9 V	1950012
Cleaning cloth	197635
Sample cuvettes with black lid, Height 55 mm, $\varnothing 24 \text{ mm}$, set of 12	197655
Sample chamber lid	19801119
USB cable 1.5 m, for TB 211 IR	19802509
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
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