

# 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 | Pool Water Treatment | 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

<b>Optics</b>	temperaturecompensated LED ( $\lambda = 860 \text{ nm}$ ) and photosensor amplifier in water proof sample chamber, infrared light
<b>Measuring Principle</b>	nephelometric (90° scattered light)
<b>Measuring Range</b>	0,01-1100 NTU (Autorange)
<b>Accuracy</b>	$\pm 2.5 \%$ 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
<b>Suitable Vials</b>	Round Cuvettes 24 mm
<b>Display</b>	backlit LCD
<b>Interfaces</b>	Micro-USB
<b>Operation</b>	polycarbonate membrane, splash proof
<b>Auto – OFF</b>	Yes
<b>Internal Storage</b>	internal ring memory for 125 data sets
<b>Power Supply</b>	9 V-block
<b>Clock</b>	Real Time Clock and Date
<b>Portability</b>	Portable
<b>Environmental Conditions</b>	5 - 40 °C at 30 - 90 % relative humidity (non condensing)
<b>Compliance</b>	CE
<b>Dimensions</b>	110 x 55 x 190 mm
<b>Weight</b>	400 g (Basic unit)
<b>Weight with Packaging</b>	(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

## Accessories

Title	Part Number
Satz Trübungsstandards 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

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