

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

Optics	temperaturecompensated LED ($\lambda = 860 \text{ nm}$) and photosensor amplifier in water proof sample chamber, infrared light
Accuracy	$\pm 2.5 \%$ of reading, or $\pm 0.01 \text{ NTU}$, whichever is bigger, in the range of $0.01 - 500 \text{ NTU}$; $\pm 5 \%$ of reading in the range of $500 - 1000 \text{ NTU}$
Operation	polycarbonate membrane, splash proof
Display	backlit LCD
Suitable Vials	Round Cuvettes 24 mm
Interfaces	Micro-USB
Measuring Principle	nephelometric (90° scattered light)
Measuring Range	$0,01-1100 \text{ NTU}$ (Autorange)
Internal Storage	internal ring memory for 125 data sets
Power Supply	9 V-block
Auto – OFF	Yes
Clock	Real Time Clock and Date
Portability	Portable
Environmental Conditions	$5 - 40 \text{ }^\circ\text{C}$ at 30 - 90 % relative humidity (non condensing)
Compliance	CE
Dimensions	$110 \times 55 \times 190 \text{ mm}$
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

Accessories

Title	Part Number
Formazin Stock Solution (4000 NTU), 125 ml	194141
Formazin Stock Solution (4000 NTU), 250 ml	194142
Set turbidity standards T-CAL ($<0.1, 20, 200, 800 \text{ NTU}$)	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
Factory calibration certificate ISO 9001 for TB210 IR/TB 211 IR/TB300 IR	999765

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