

TB 211 IR

with USB interface



Highlights

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

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.

Content:

The compact Lovibond® infrared turbidity measuring instruments TB 211 IR & TB 210 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.

Technical Data:

Light Source	IR-LED (860 nm)
Optics	temperaturecompensated LED (λ = 860 nm) and photosensor amplifier in water proof sample
Accuracy	± 2.5 % 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
Operation	polycarbonate membrane, splash proof
Display	backlit LCD
Suitable Vials	Round Cuvettes 24 mm
Interfaces	Micro-USB
Internal Storage	internal ring memory for 125 data sets
Power Supply	9 V-block
Auto – OFF	Yes
Measuring Principle	nephelometric (90° scattered light)
Measuring Range	0,01-1100 NTU (Autorange)
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)

Range:

Testparameter	Measuring Range
Turbidity	0.01 - 1100 NTU

Accessories:

Title	Part Number
Set turbidity standards T-CAL (<0.1, 20, 200, 800 NTU)	194150
Formazin Stock Solution (4000 NTU), 125 ml	194141
Formazin Stock Solution (4000 NTU), 250 ml	194142
Sample cuvettes with black lid, Height 55 mm, ø 24 mm, set of 12	197655
Cleaning cloth	197635
Sample chamber lid	19801119
Battery 9 V	1950012
USB cable 1.5 m, for TB 211 IR	19802509