

TB 210 IR



Highlights

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

The TB 210 IR is a compact instrument for reliable and easy determination of turbidity. The scattered light is measured at an angle of 90 °.

Basic Information:

The compact Lovibond® infrared turbidity meter TB 210 IR is designed to allow fast, precise on-site testing. The unit measures the scattered light at an angle of 90°, as stipulated in EN ISO 7027. The wide measuring range from 0.01-1100 TE/F = NTU = FNU makes the instrument suitable for various applications, ranging from drinking water to waste water. As infrared light is used for measurement purposes, the unit can be used to test both coloured and colourless liquids.

The standards required for calibration of the unit are also supplied. A second adjustment mode allows alternative adjustment with user-defined turbidity standards.

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
Internal Storage	internal ring memory for 16 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