

TB1 Portable Turbidimeter

Completely waterproof !



Turbidity is one of the most measured parameters in water analysis testing. The turbidity value is important for different determinations, such as drinking water applications, disinfection processes, and industrial processes for water treatment.

The **TB1 portable turbidimeter** allows you to measure, in a simple and precise way, the turbidity of aqueous samples. The measurement is supplied in Nephelometric Turbidity Units (NTU). The compact design allows easy, on-site handling and is highly resistant wear and tear

High quality, easy to use, and **totally waterproof**—these are the features that make the TB1 turbidimeter unique and of keen interest to operators working in the water analysis field.

Features and Benefits

The measure of turbidity is based on International Analytical Method **ISO 7027** that allows high reproducibility of the measured values.

With few buttons, you can achieve a simple and rapid calibration. In a few seconds, the instrument provides the information requested about the standard and the sample to be analyzed.

The measurement range is **from 0 to 1000 NTU** with an accuracy of reading $\pm 2\%$ from 0 to 500 NTU and $\pm 3\%$ from 501 to 1000 NTU.

TB1 is self contained unit which operates independently (1200 tests), using a set of 4 batteries.

Among the main characteristics:

- **Friendly use** - LCD display allows an easy value reading of the measure unit and provides useful error messages
- **Supply** - Turbidimeter is supplied with 4 primary standards and 3 empty vials to allow you to compare different sample readings
- **Safety** - High electric protection degree IP 67

Features	Description
Measurement method	ISO 7027 nephelometric method (90°)
Measurement range	0-1000 NTU
Accuracy	$\pm 2\%$ in the range 0-500 NTU $\pm 3\%$ in the range 501 - 1000 NTU
Calibration standards	0.02, 20, 100, 800 NTU
Reproducibility	± 0.01 NTU or $\pm 1\%$ of the readings, better on gel samples
Light source	IR emitting diodes (wavelength 850 nm)
Protection degree CEI EN 60529	IP 67
Weight	0,2 Kg (0.4 lb)
Dimension (W x H x D)	68 x 50 x 155 mm (2.7 x 2 x 6.1 in)

Code N°	Description
R109B12150	TB1 Turbidimeter
CE0012020	Calibration set (includes standards 800, 100, 20.0 e 0.02 NTU)
CE0012030	Sample vials –pack of 3 vials
CE0012050	Silicone oil – 10 ml

Your authorized agent:

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