

# 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

#### 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 nm) and photosensor amplifier in water proof sample chamber, infrared light                             |
| <b>Accuracy</b>                 | $\pm$ 2.5 % of reading, or $\pm$ 0.01 NTU, whichever is bigger, in the range of 0.01 - 500 NTU ; $\pm$ 5 % of reading in the range of 500 - 1000 NTU |
| <b>Operation</b>                | polycarbonate membrane, splash proof                                                                                                                 |
| <b>Display</b>                  | backlit LCD                                                                                                                                          |
| <b>Suitable Vials</b>           | Round Cuvettes 24 mm                                                                                                                                 |
| <b>Interfaces</b>               | Micro-USB                                                                                                                                            |
| <b>Internal Storage</b>         | internal ring memory for 125 data sets                                                                                                               |
| <b>Power Supply</b>             | 9 V-block                                                                                                                                            |
| <b>Auto – OFF</b>               | Yes                                                                                                                                                  |
| <b>Measuring Principle</b>      | nephelometric (90° scattered light)                                                                                                                  |
| <b>Measuring Range</b>          | 0,01-1100 NTU (Autorange)                                                                                                                            |
| <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 (ø 24 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 NTU)           | 194150      |
| Battery 9 V                                                      | 1950012     |
| Cleaning cloth                                                   | 197635      |
| Sample cuvettes with black lid, Height 55 mm, ø 24 mm, set of 12 | 197655      |
| Sample chamber lid                                               | 19801119    |
| USB cable 1.5 m, for TB 211 IR                                   | 19802509    |

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