

TB 210 IR with infra-red light source (EN ISO 7027)



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.

Accessories

| Article | Code |
|--------------------------------------------------------|-------------|
| Turbidity standard set T-CAL (< 0.1, 20, 200, 800 NTU) | 19 41 50 |
| Set empty vials, 24 mm ø (12 pc.) | 19 76 55 |
| Cleaning cloth for vials | 19 76 35 |
| Sample chamber lid | 19 80 11 00 |
| Battery, 9 V | 19 50 012 |
| Formazin Stock Solution (4000 NTU), 100 ml | 19 41 41 |
| Formazin Stock Solution (4000 NTU), 250 ml | 19 41 42 |

Technical data

| | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Measurement cycle | approx. 8 seconds |
| Display | backlit LCD (on keypress) |
| Optics | temperature-compensated LED ($\lambda = 860 \text{ nm}$) and photosensor amplifier in water proof sample chamber, infrared light |
| Keypad | polycarbonate membrane, splash proof |
| Power supply | 9 V power pack battery |
| Auto - OFF | automatic switch-off |
| Storage | internal ring memory for 16 data sets |
| Additional feature | real time clock and date |
| Range (Auto-range) | 0,01 - 1100 NTU |
| Resolution | 0.01 - 9.99 NTU = 0.01 NTU 10.0 - 99.9 NTU = 0.1 NTU 100 - 1100 NTU = 1 NTU |
| Accuracy | $\pm 2,5 \%$ of reading or $\pm 0.01 \text{ NTU}$ (0 - 500 NTU) $\pm 5 \%$ (500 - 1100 NTU) |
| Housing | ABS |
| Dimensions (L x W x H) | 190 x 110 x 55 mm |
| Weight (base unit) | approx. 0.4 kg |
| Ambient conditions | Temperature: 5 – 40 °C rel. humidity: 30 – 90% |
| CE-Conformity | |

Highlights

- Range 0.01 - 1100 NTU
- Measurement with infrared light at an angle of 90°
- Measurement of coloured liquids
- Easy handling
- 600 tests without battery change

Delivery Content

- Instrument in carrying case
- 4 turbidity standards (< 0,1, 20, 200 and 800 NTU)
- 9 V battery
- 3 vials (ø 24 mm) with lids
- Warranty information
- Certificate of Compliance
- Instruction Manual

Order code: 26 60 20