

TB 300 IR with infra-red light source



Highlights

- Meets EN ISO 7027
- Automatic overall range adjustment with Standard-Set T-Cal
- Autoranging
- High accuracy
- Laboratory and mobile use
- RS 232 interface
- Storage for up to 1000 data-sets
- Real-time clock
- Waterproof sample chamber and housing

Turbidity is measured according to EN ISO 7027 by nephelometric means (90° scattered light). The infra-red light-source permits measurement of coloured and colour-free samples.

The automatic measurement range detection facility (Autorange) enables direct turbidity measurement from 0.01 to 1100 NTU with an accuracy of $\pm 2\%$ up to 500 NTU and $\pm 3\%$ thereafter.

A large graphic display, a choice of several different languages and user-friendly operating instructions make the device extremely easy to use.

Software updates (for example: languages) can be downloaded free of charge from our website www.lovibond.com.

Technical data

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|----------------------------|---|
| Principle | nephelometric (90° scattered light) |
| Light source | IR-LED (860 nm) |
| Keypad | acid and solvent resistant; membrane keypad |
| Auto – Off | automatic switch off |
| Display | Graphic-Display |
| Update | Software update via Internet |
| Clock | real time clock |
| Memory | 1000 data sets |
| Sample vol. | approx. 12 ml |
| Range | 0.01 – 1100 NTU (Auto range) |
| Resolution (NTU) | 0.01 from 0.01 - 9.99 0.1 NTU from 10.0 - 99.9 1 NTU from 100 - 1100 |
| Accuracy (NTU) | ± 2 % of reading or 0.01 (0 - 500) ± 5 % of reading (500 - 1100) |
| Ambient conditions | temperature: 5-40°C at 30-90% relative humidity (non condensing) |
| Interface | RS232 for printer and PC-connection |
| Power supply | 7 NiCd rechargeable batteries (Type AA) ; mains adapter (Input: 100-230V ; and lithium battery for data storage |
| Weight (instrument) | approx. 1000 g including batteries and power pack |
| Dimensions | 265 x 195 x 70 mm (L x W x H) |
| CE-Conformity | |



Accessories

| | |
|---|-------------|
| Set of 12 sample vials with black lid, height 55 mm, ø 24 mm | 19 76 55 |
| Cleaning cloth for vials | 19 76 35 |
| Rubber seal cap, black for interface and power plug-in | 19 80 17 16 |
| Sample chamber lid, black | 19 80 11 19 |
| Mains charger, 100-240 V, 50-60 Hz, with international adapters | 19 30 10 |
| Universal adapter for socket, international | 19 20 65 |
| Connection cable connection to PC, serial 9-pins | 19 81 98 |
| Akku AA Mignon, 1100 mAh (7 pc.) | 19 50 02 0 |
| Lithium battery | 19 50 01 7 |
| Formazin Stock Solution (4000 NTU), 100 ml | 19 41 41 |
| Formazin Stock Solution (4000 NTU), 250 ml | 19 41 42 |
| Set Turbidity Standards T-CAL (<0.1, 20, 200, 800 NTU) | 19 41 50 |
| Paper printer DPN 2335 | 19 80 75 |
| Roll of paper for printer DPN 2335 | 19 80 62 |
| Pack of accus for printer DPN 2335 | 19 80 66 |
| Ribbon cartridge for printer DPN 2335 | 19 80 67 |

Delivery Content

- Instrument in carrying case
- 1 set of turbidity standards T-CAL
- 7 rechargeable batteries (AA)
- Mains charger, 100-240 V
- PC connection cable
- 4 vials (ø 24 mm) with lids
- Warranty information
- Certificate of Compliance
- Instruction Manual

Order code: 19 40 00