

# TB 300 IR with infrared light source



## Highlights

- Meets EN ISO 7027 standard
- 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 infrared light-source permits measurement of coloured and colour-free samples.

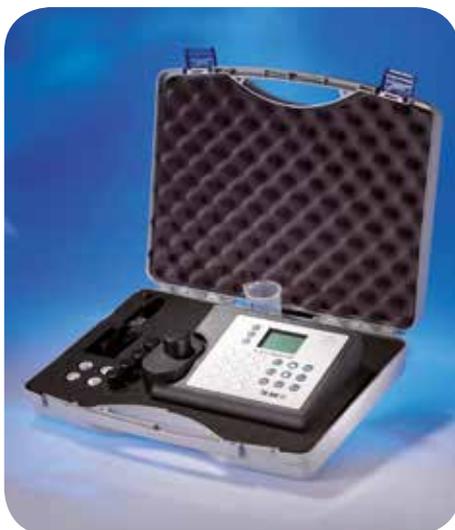
The automatic measurement range detection facility (Autorange) enables direct turbidity measurement from 0.01 to 1100 NTU with an accuracy of  $\pm 2\%$  up to 500 NTU and  $\pm 5\%$  thereafter.

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](http://www.lovibond.com).

## Technical data

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



## 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
AA Battery 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
Roll of paper for printer DPN 2335	19 80 62

## Delivery Content

- Instrument in carrying case
- 1 set of turbidity standards T-CAL
- 7 rechargeable batteries (AA)
- 1 lithium battery
- 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-B

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(without lithium battery)