Turbidity meter AL250T-IR

with infra-red light source (ISO 7027)

Art. no.: 13.55

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The compact AQUALYTIC® infrared turbidity meter AL250T-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 27 027.

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, the instrument can be used to test both coloured and colourless liquids.

Calibration standards are also supplied. An alternative adjustment mode allows entry of user-defined turbidity standards.

Technical data

Measurement cycle	approx. 8 seconds
Display	backlit LCD (on keypress)
Optics	temperature-compensated LED 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	0,01 - 1100 NTU (Auto-range)
Resolution	0.01 - 9.99 NTU = 0.01 NTU 10.0 - 99.9 NTU = 0.1 NTU 100 - 1100 NTU = 1 NTU
Accuracy	± 2,5 % of reading or ± 0.01 NTU (0 - 500 NTU) ± 5 % (500 - 1100 NTU)
Housing	ABS
Dimensions (L x W x H)	190 x 110 x 55 mm
Weight	approx. 0.4 kg (base unit)
Ambient conditions	Temperature: 0 – 40 °C rel. humidity: 30 – 90%
CE-conformity	DIN EN 50081-1 VDE 0839 part 81-1: 1993-03 DIN EN 50082-2 VDE 0839 part 82-2: 1996-02

Delivery Content

AL250T-IR turbidity meter as described above, complete with 4 turbidity standards <0.1, 20, 200 and 800 NTU, battery and test vials, in case. **Order code: 4266020**

Accessories

Turbidity standard set T-CAL (<0.1, 20, 200, 800 NTU)
Order code: 4194150

Set of 12 empty sample vials, 24 mm ø
Order code: 197655

Highlights

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