

labodam

Bench Top Turbidity Meter

LTM-B1 Series



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Bench top turbidity meter LTM-B1 series with microprocessor controlled system, works on 90° scattered light principle to measure water turbidity in nephelometric turbidity unit i.e. NTU. The formazine standard solution of turbidity mentioned in ISO 7027 is used for turbidity analysis. This turbidity meter delivers highly accurate results with better numerical calculations to meet GLP standards.

Features

- Quick and automatic multi-points calibration
- Back light LCD display with touch keypad
- Wide measurement range
- Non- linear data processing and transfer
- Selectable automatic or manual switch mode
- High through put stability
- Auto power off function
- Easy to operate

Applications

Used in water treatment plants, swimming pool, water recycling units, research and quality laboratories of pharmacy, life science, food, and beverage industry.



Specifications

Model no.	LTM-B10	LTM-B11	LTM-B12	LTM-B13	LTM-B14
Measuring range (NTU)	0 to 100	0 to 50, 0 to 100, 0 to 200	0 to 50, 0 to 100, 0 to 200, 0 to 400	0 to 50, 0 to 100, 0 to 200, 0 to 400, 0 to 800	0 to 50, 0 to 100, 0 to 200, 0 to 400, 0 to 800, 0 to 1000
Minimum readout value (NTU)	0.01, 0.1				
Calibration point	1	3	4	5	6
Sample volume	5 to 10 ml				
Principle method	90° scattered light				
Operating temperature	5 to 40°C				
Working temperature	5 to 40°C				
Light source	Infrared-emitting diode (850 nm λ)				
Detector	Silicon photodiode				
Error value	$\pm 6\%$ ($\pm 2\%$ F.S)				
Zero drift	$\pm 0.5\%$ F.S.				
Reset functions	Yes				
Memory	Stores up to 20 sets data				
Dimension	400 x 300 x 250 mm				
Weight	2.5 kg				
Power batteries	Dc 1.5 V, 5 AA alkaline batteries				
Power supply	AC 220 V, 50 Hz				



Optional accessories

Accessory No.	Name
01	USB communication interface

Standard accessories

Accessory No.	Name	Quantity
01	Specimen bottle	3 pcs
02	400 NTU (Formazine) turbidity standard solution	1 bottle
03	Power cable	1 pc