TB100

PORTABLE TURBIDITY METER

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DESCRIPTION

High-performance portable turbidity meter to measure light scattering off caused by suspended solid particles in liquid mediums. TB100 uses on the nephelometric principle of turbidity measurement and has 4 selectable turbidity units, including NTU, FNU, EBC and ASBC. Ideal instrument for environmental monitoring, industrial process control, universities, food, agriculture, chemical and pharmaceutical industries.

TECHNICAL PARAMETERS

DETECTOR	COMMUNICATION INTERFACE
Silicon photodiode	USB
STAY LIGHT	DISPLAY
<0.02 NTU	LCD
SAMPLE VIAL	DIMENSIONS
Φ25 x 60 mm	180 x 85 x 70 mm
SAMPLE VOLUME	WEIGHT
20 mL	300 g
MEMORY	POWER SUPPLY
100 data sets	3 x 1.5V AA batteries (NOT included)
LIGHT SOURCE	
Infrared-emitting diode (850 nm wavelength)	

TURBIDITY

MEASUREMENT METHOD	RESOLUTION
Nephelometric method (90°)	0.01 (0 to 99 NTU); 0.1 (100 to 999 NTU); 1 (1000 to 1100 NTU)
RANGE	CALIBRATION POINTS
0 to 1100 NTU/FNU; 0 to 275 EBC; 0 to 9999 ASBC	2 to 5 points
ACCURACY	CALIBRATION STANDARDS
±2% of reading (0 to 500 NTU); ±3% of reading (501 to 1100 NTU)	0.02, 10, 200, 500 and 1000 NTU

KEY FEATURES

- Simple and intuitive operation, easy calibration.
- Quick and reliable readings, large display LCD.
- Compact design, easy to move.
- Auto-power off and reset functions.
- USB communication interface for data transfer.

STANDARD ACCESORIES

- Carrying case
- Sample vials
- Turbidity standards

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