# **TB100** Portable Turbidity Meter

**Features**

- High-performance turbidity meter meets the design criteria in ISO 7027
- 2 to 5 points calibration using the Formazin Standards
- Selectable 4 turbidity units, including the NTU, FNU, EBC and ASBC
- Single measurement mode automatically senses and locks a stable reading
- Continuous measurement mode can be used for indexing or matching the sample vials
- Auto-power off effectively conserves battery life
- Setup menu allows setting the number of calibration points, resolution, date and time, etc.
- Reset function automatically restores all settings to the factory defaults
- Expanded memory stores or recalls up to 100 data sets
- USB communication interface for data transfer or connecting a power adapter to meter

**Ordering Information**

TB100: Meter, turbidity standards (0.02, 200, 500, 1000 NTU), sample vials, lint-free cloth, carrying case

**Specifications**

| | Model | TB100 |
|---|---|---|
| **Turbidity** | Principle | ISO 7027 nephelometric method (90°) |
| | Range | 0~1100 NTU, 0~275 EBC, 0~9999 ASBC |
| | Resolution | 0.01 (0~99 NTU), 0.1 (100~999 NTU), 1 (1000~1100 NTU) |
| | Accuracy | ±2% of reading (0~500 NTU), ±3% of reading (501~1100 NTU) |
| | Calibration | 2 to 5 points |
| | Calibration Standards | 0.02, 10, 200, 500, 1000 NTU |
| **Other Specifications** | Light Source | Infrared-emitting diode (850 nm wavelength) |
| | Detector | Silicon photodiode |
| | Stray Light | <0.02 NTU |
| | Sample Vial | 60 (H)×25 (Ø) mm |
| | Sample Volume | 20 mL |
| | Memory | 100 data sets |
| | Communication Interface | USB |
| | Operating Temperature | 0~50°C |
| | Display | Custom LCD (60×40 mm) |
| | Power Requirements | 3×1.5V AA batteries or 5V DC power adapter |
| | Dimensions | 180 (L)×85 (W)×70 (H) mm |
| | Weight | 300 g |