# ponpe
## INSTRUMENTS

# Turbidity Meter

# PONPE 100TB

High performance portable turbidimeter, 2 to 5 points
calibration, selectable 4 turbidity units.
The meter is suitable for process control and field use.

## Function

- Easy-to-use portable turbidimeter is equipped with a standard carrying case.
- 2 to 5 points calibration using the Formazin Standards.
- Selectable four turbidity units, including the NTU (Nephelometric Turbidity Unit), FNU (Formazine Turbidity Unit), EBC (European Brewery Convention) and ASBC (American Society of Brewing Chemists).
- Single measurement mode automatically recognizes the stable readings.
- Continuous measurement mode that can used for indexing and matching the sample vials.
- Auto-Power Off helps user effectively conserve battery life.
- System menu allows setting the 7 parameters, including the date and time, resolution, etc.
- Reset feature automatically resumes all parameters back to factory default options.
- Expanded memory stores and recalls up to 100 readings.
- Stored data can be transferred into computer by USB communication interface.
- Multi-mode power scheme (battery, power adapter, USB port) ensures that use the meter

## Specifications

| Model | PONPE 100TB |
|---|---|
| Measurement Method | ISO 7027 nephelometric method (90°) |
| Measurement Range | 0~1100 NTU/FNU, 0~275 EBC, 0~9999 ASBC |
| Resolution | 0.01 (0~100 NTU), 0.1 (100~999 NTU), 1 (999~1100 NTU) |
| Accuracy | ±2% (0~500 NTU), ±3% (501~1100 NTU) |
| Calibration Standards | 0.02, 10, 200, 500, 1000 NTU or User-Defined |
| Light Source | Infrared-emitting diode (850 nm wavelength) |
| Detector | Silicon Photodiode |
| Stray Light | ‹ 0.02 NTU |
| Sample Vials | 60(H)×25(Dia.)mm |
| Power Off | Manual or Automatic (15 minutes) |
| Memory | Stores up to 100 data sets |
| Output | USB Communication Interface |
| Operating Temperature | 0~60°C |
| Power Requirements | 1×9V Battery |
| Dimensions | 180(L)×85(W)×70(H)mm |
| Weight | 300g |

## Accessories

| Standard accessories | Sample Vials, Calibration Standards (0, 10, 200 and 1000 NTU), Lint-Free Cloth, 9V Battery, Carrying Case |
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