

VIKING-TU100P Portable Smart Turbidity 0,01NTU TFT Colour Screen

Product Details

Product Number

PRO5783



Technical Specification:

VIKING-TU100P Portable Turbidity Meter

Compact, accurate, and field-ready — ISO 7027 compliant with an 850 nm LED light source, IP65 waterproof housing, nephelometric 90° detection, selectable NTU/FNU/EBC units, and GLP-compliant memory for 2000 results.

0–1000 NTU total range

0.01 / 0.1 / 1 NTU resolution (by range)

±2% of reading + 0.02 NTU accuracy

IP65 waterproof rating

- 850 nm LED light source (ISO 7027)
- Nephelometric principle with 90° detection
- Selectable units: NTU, FNU, EBC

Highlights

- **ISO 7027 compliance** with a stable 850 nm LED for consistent measurements.
- **Flexible calibration** — zero plus 1–6 points using Formazin standards (2, 20, 100, 200, 500, 1000 NTU).
- **GLP data** — store up to **2000 results** with time/date; data never lost with power-off protection.
- **IP65 waterproof** portable housing for field and outdoor work.
- **Auto power-off** extends battery life; AC adapter operation available.

Typical Applications

- Drinking water and wastewater testing
- Food & beverage process and QC
- Environmental monitoring and field sampling

- Education, research, and routine lab analysis

Technical Specifications

Model	VIKING-TU1000P
Principle	Nephelometric, 90° detection
Light Source	850 nm LED (ISO 7027)
Units	NTU, FNU, EBC
Range	0–20.00 NTU; 20.0–200.0 NTU; 200–1000 NTU
Resolution	0.01 NTU / 0.1 NTU / 1 NTU (by range)
Accuracy	±2% of reading + 0.02 NTU
Repeatability	≤0.5%
Fluctuation	±0.5% FS / 30 min
Calibration	Zero + 1–6 points (Formazin 2, 20, 100, 200, 500, 1000 NTU)
Memory	Up to 2000 sets (GLP-compliant); power-off protection
Ingress Protection	IP65
Power Supply	AA batteries; AC adapter (200–240 VAC in, 5 V DC out)
Dimensions / Weight	100 × 220 × 80 mm; 0.8 kg

What's in the box

- VIKING-TU100P turbidity meter
- 5× turbidity vials
- Carrying case
- AA batteries and AC adapter
- Quick start guide

*Kit contents may vary by configuration.

FAQ

Which standards does it follow? Measurements follow ISO 7027 using an 850 nm LED and 90° nephelometric detection. Which units are available? You can display turbidity in NTU, FNU, or EBC. How is the instrument calibrated?

Accessories: