

TN500 Portable White Light Turbidity Meter – Spec Sheet

Specification	Description
Measurement Method	90° scattering measurement, U.S EPA180.1 compliant
Light Source	Tungsten filament lamp
Measuring Range	0 to 1000 NTU (FNU), automatic range switch 0.01 to 19.99 NTU(FNU) 20.0 to 99.9 NTU(FNU) 100 to 1000 NTU(FNU)
Accuracy	$\leq \pm 2\%$ of reading+ stray light
Repeatability	$\leq \pm 1\%$ of reading or 0.02 NTU(FNU) (the greater of the two)
Resolution	0.01/0.1/1 NTU (FNU)
Stray Light	≤ 0.02 NTU (FNU)
Calibration Standard	AMCO Polymer or Formazin Solution: 0, 20, 100, 400 and 800NTU (FNU)
Detector	Silicon photovoltaic
Measuring Mode	Normal measurement and TruRead measurement
Data Storage	200 groups
Data Output	USB to PC
Calibration Record	Calibration date and time
Display	TFT color screen
Sample Vial	$\Phi 25 \times 60$ mm, high borosilicate glass with lid
Sample Vial Volume	18 ml
Power supply	3.7V Rechargeable lithium battery
Working Condition	Temperature: 0 to 50°C (32°F to 122°F) ; Relative humidity: 0 to 90% at 30°C, 0 to 80%at 40°C, 0 to 70% at 50°C, no condensation
Instrument sealing grade	IP67
Certificates	ISO9001:2015 and CE
Limited Warranty	2 years
Dimension and Weight	Meter: (90x203x80) mm/385g Test Kit: (310x295x110) mm/1.5kg