

TN480 Infrared Turbidity Meter with GLP data management and USB



Main Features

- Delivers accurate, fast, and reliable turbidity measurements
- Large TFT color screen with clear on-screen instructions for easy operation
- EPA-certified, non-toxic, and easy-to-use AMCOClear® polymer standard solutions
- TruRead™ measurement mode for samples that settle quickly and readings that change continuously
- Up to 200 data records can be stored and exported via USB
- IP67 waterproof housing allows field use, e.g. for drinking water analysis, environmental monitoring, etc.
- Convenient storage and transport in the case together with calibration solution, sample vials, and accessories
- Compliant with ISO 7027 and DIN EN 27027

What's in the Kit

TN480	1
Calibration solutions (0,0 NTU, 20,0 NTU, 100 NTU, 400 NTU, 800 NTU)	1
Sample vials	6
Silicone oil	1
Microfiber cloth	1
USB stick with software	1
USB cable	1
AA battery	4

Screwdriver	1
Manual	1
Carrying case	1

Technical Parameters

Measurement method	Nephelometric method compliant with ISO 7027 and DIN EN 27027 (measurement of scattered infrared light at 90°)
Light source	Infrared LED (860±30 nm)
Measuring range	0 – 1000 NTU, automatic range selection: 0,01 – 19,99 NTU 20,0 – 99,9 NTU 100 – 1000 NTU
Accuracy	≤ ±2% of reading + stray light
Repeatability	≤ ±1% of reading or 0,02 NTU (FTU), whichever is greater
Resolution	0,01 / 0,1 / 1 NTU (FNU)
Stray light	≤ 0,02 NTU (FNU)
Calibration standard	0, 20, 100, 400, and 800 NTU (FNU) AMCO polymer or formazin
Light detector	Silicon photocell
Measurement modes	Normal measurement and TruRead™ measurement
Data storage	200 measurement groups
Interface	USB
Calibration memory	Calibration points, date, and time
Display	TFT color display
Sample vial	ø25×60 mm, borosilicate glass with screw cap
Sample volume	18 ml
Power supply	4 × AA alkaline batteries
Operating conditions	Temperature: 0 – 50 °C (32 °F – 122 °F); rel. humidity: 0 – 90% at 30°C, 0 – 80% at 40°C, 0 – 70% at 50°C, non-condensing
Storage conditions	Meter: -40 to 60 °C (-40 to 140 °F) Calibration solutions: 5 to 30 °C (41 to 86 °F)
IP rating	IP67
Safety certification	CE / RoHS
Dimensions and weight	Meter: (90×203×80) mm/ 385 g Complete kit: (310×295×110) mm/ 1,5 kg