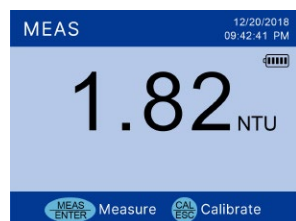


Portable Turbidity Meter



	<i>EPA 180.1 Compliant</i>	<i>ISO 7027 Compliant</i>
Advanced	TN500	TN480
Basic	TN420	TN400

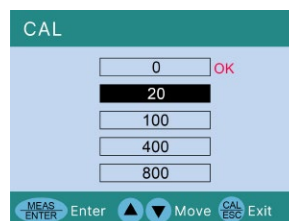
Intuitive User Interface



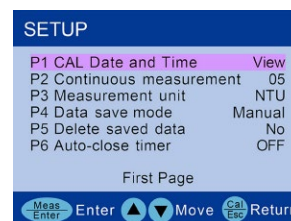
Measurement mode



Calibration mode



Calibration setup



Settings

Customized AMCO® Polymer Standard Calibration Solutions

Approved by U.S EPA and ASTM, AMCO® high-molecular polymer turbidity standard solutions are the best alternatives to Formazin standards in terms of shelf-life, ease of use, and safety concerns.

	AMCO® polymer solutions	Formazin solutions
Toxicity	★ Non-toxic	Highly toxic, PPE is necessary when handling
Operation	★ No diluting needed, use directly 	Requires diluting, complicated operation
Shelf life	★ 1 year	<2 NTU: 1 hour; 2 – 20 NTU: 12 – 24 hours; 20 – 400 NTU: 1 month
Storage condition	★ Avoid sunlight at room temp.	Avoid sunlight at low temperature
Convenience	★ Very stable, can be used directly	Easy to settle, requires flipping and mixing
Traceability	★ NIST traceable	Non-traceable

TN500 Premium Portable Turbidity Meter – Compliant with EPA 180.1

- Replaceable lab-grade Tungsten filament lamp
- Ideal for high-accuracy low-turbidity measurement (<10 NTU)
- Range: 0 – 1000 NTU, auto. ranging



Place the sample vial



Replaceable light source



GLP data management & USB data export



Rechargeable lithium battery

Portable Turbidity Meter



TN480 and TN400 Turbidity Meter — Compliant with ISO 7027

- Infrared LED light source, compliant with ISO7027 and DIN EN 27027 Method
- Suitable for sample solutions with color such as wine and beer
- Range: 0 – 1000 NTU, auto. ranging
- TruRead mode (TN480 and TN500 only) compensates errors for samples with rapid settlement



Model	Name	Description	Memo
TN500	Portable Turbidimeter kit	Refer to technical specs	EPA • Advanced
TN420			EPA • Basic
TN480			ISO • Advanced
TN400			ISO • Basic
T500-2	0 NTU standard	0.0NTU/100mL	applicable for all
T500-1	Standards kit	20/100/400/800NTU	TN500/TN420
T200-1	Standards kit	20/100/400/800NTU	TN480/TN400
T500-3	Sample Vials	φ25×60 mm, 6 pcs	applicable for all
TN500-5	Replacement lamp	/	TN500/TN420
TN500-4	Lithium battery	3.7V rechargeable	TN500/TN420
TN400-S3	Silicone oil	10ml	applicable for all



Model	TN500 Premium	TN420 Basic	TN480 Premium	TN400 Basic
Light Source	Tungsten filament lamp, 400 – 600 nm		Infrared LED, 860±30 nm	
Regulatory	Compliant with U.S EPA 180.1 Method		Compliant with ISO7027 and DIN EN 27027 Method	
Certification	CE, RoHS			
Range	0 – 1000 NTU (FNU), auto. ranging			
Resolution	0.01 NTU (0 – 19.99) / 0.1 NTU (20.0 – 99.9) / 1 NTU (100 – 1000)			
Accuracy	± 2% of reading plus stray light			
Repeatability	±1% of reading or 0.02 NTU, whichever is greater			
Calibration Standards	T500-1 AMCO solution kit / Formazin standard solution 0/20/100/400/800 NTU		T200-1 AMCO solution kit / Formazin standard solution 0/20/100/400/800 NTU	
Detector	Silicon photovoltaic			
Measurement Mode	Normal (push to read); TruRead Mode	Normal (push to read); Average Mode	Normal (push to read); TruRead Mode	Normal (push to read); Average Mode
0 NTU error reminder	Yes	N/A	Yes	N/A
Data storage	200 sets	N/A	200 sets	N/A
Data export	USB to PC	N/A	USB to PC	N/A
Calibration record	Date and time	N/A	Date and time	N/A
System language	English, Spanish, Chinese, Japanese	English	English, Spanish, Chinese, Japanese	English
Screen	TFT Color Screen			
Sample vials	φ25×60 mm , 18 mL , high borosilicate glass with lid			
Power supply	3.7V rechargeable lithium battery		AA Alkaline battery *4	
Working condition	Temperature: 0 – 50°C; Humidity: 0 – 90%			
Storage condition	Instrument: -40 – 60°C ; Calibration solutions: 5 – 30°C			
Enclosure rating	IP67			
Warranty	2 years			
Dimension & Weight	Instrument: (90×203×80)mm / 385g; Kit: (310×295×110)mm / 1.5 kg			