

PORTABLE TURBIDITY METER WITH GLP DATA LOGGER - ISO 7027 COMPLIANT

REF: TN480

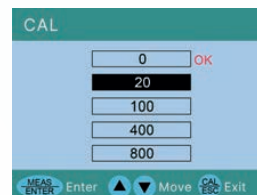
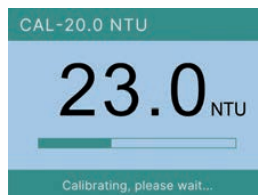
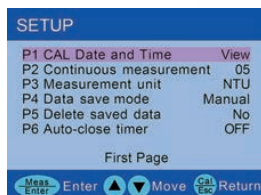
Apera TN480 uses an infrared light source and 90° scattering method, which is compliant with the ISO 7027 method. The instrument is designed for water quality professionals, offering long-term reliability in high-accuracy turbidity measurement with an intuitive operating system, simple calibration, and GLP data management.



Place the sample vial



User-friendly User Interface



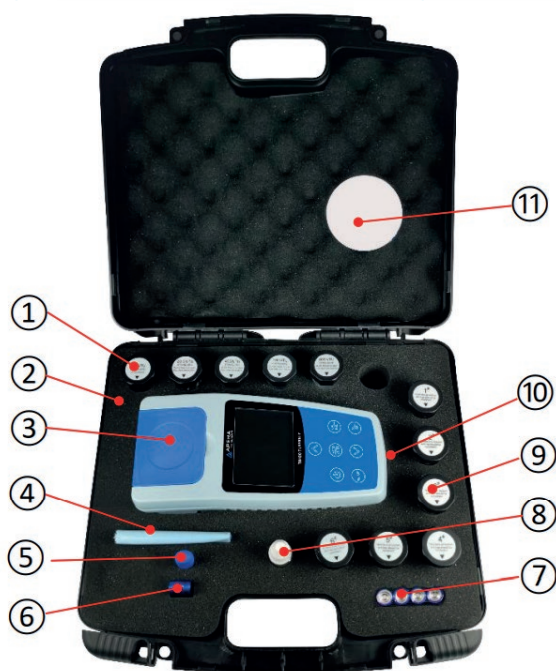
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Standard Calibration Solutions

	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

Complete Kit



1. Calibration Solutions 0.0, 20.0, 100, 400, 800 NTU
2. Carrying case
3. TN480 Turbidimeter
4. Microfiber cloth
5. Screwdriver (to remove battery cover)
6. Software flash drive
7. AA Alkaline battery×4
8. Silicone oil (10 ml)
9. Sample cuvette×6
10. USB Cable (under the meter)
11. User Manual

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Technical specifications

Parameters	Description
Light Source	Infrared LED, 860±30 nm
Regulatory	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	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
0 NTU error reminder	Yes
Data storage	200 sets
Data export	USB to PC
Calibration record	Date and time
System language	English, Spanish, Chinese
Screen	TFT Color Screen
Sample vials	φ25×60 mm , 18 mL , high borosilicate glass with lid
Power supply	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
Dimension & Weight	Instrument: (90×203×80)mm / 385g; Kit (310×295×110)mm / 1.5 kg