



Portable turbidimeters

Code KZF001, KZF006, KZF005 y KZF004

The TN400, TN420, TN480, and TN500 turbidimeters are designed for the precise measurement of turbidity in liquid samples, using the nephelometric method based on 90° light scattering, in accordance with ISO 7027 and US EPA 180.1 standards, depending on the model. These instruments cover a measurement range from 0 to 1000 NTU, offering high accuracy, excellent repeatability, and intuitive operation, making them ideal for laboratory applications, quality control, drinking water analysis, wastewater, beverages, and industrial processes.

Thanks to their IP67 protection rating, they can be used both in the laboratory and in the field. They feature a colour TFT display with graphical operation guides, clear text information, and a progress bar that facilitates monitoring of the measurement process.

ACCESORIES

- Code - KZF002: standard calibration solution set.
- Code - KZF003: sample vials (x3).



INCLUDED ITEMS

- Carrying and storage case
- Calibration solutions: 0.0, 20.0, 100, 400, 800 NTU
- 6 x sample vials
- Microfiber cloth
- 10 ml bottle of silicone oil
- USB flash drive with PC-LINK 500 software (for TN480 and TN500 models)
- USB cable (for TN480 and TN500 models)

Code	KZF001	KZF006	KZF005	KZF004
Model	TN400	TN420	TN480	TN500
Standard	ISO 7027	U.S. EPA180.1	ISO 7027	U.S. EPA180.1
Light source	860 nm LED	Tungsten lamp	860 nm LED	Tungsten lamp
Measurement method		90° scattering measurement		
Detector		Silicon photodiode		
Measurement range		0-1000 NTU		
Accuracy		± 2% of reading + stray light		
Repeatability		≤ ± 1 % / 0.02 NTU		
Calibration points		0 NTU, 20 NTU, 100 NTU, 400 NTU, 800 NTU		
Reading mode	Normal/promedio	Normal/promedio	Normal/TruRead	Normal/TruRead
Parameter configuration	No	No	TruRead (5/10/15/20 times)	TruRead (5/10/15/20 times)
Languages	English	English/Spanish	English/Spanish	English/Spanish
Data store	No	No	200 groups	200 groups
Data output	No	No	USB to PC	USB to PC
Battery	AA x 4	3.7 V rechargeable lithium	3.7 V rechargeable lithium	3.7 V rechargeable lithium
Vial volume		16 mL		