

AMTAST USA INC.

438 Skyline Dr E Lakeland FL. 33809

Portable Turbidity Meter TU001/02/03/04



Summary of functions

Our scattered light turbidity meter is used for measuring the scattering degree of the lights generated by the insoluble grain matters suspended in water or transparent liquids, with capability to characterize the content of these suspended grain matters. It can be broadly applied in the measurement of turbidity in power plants, waterworks, treatment stations of domestic sewage, beverage factories, environmental protection departments, industrial water, wine and pharmacy industries, epidemic prevention divisions, hospitals, and etc.

Product Characteristics

- ▶ AC & DC power supply, low power consumption, cabinet and handsome contour design, facilitating field and lab use;
- ▶ Configured with auto power-off function and low power dissipation circuit, able to effectively prolong service life of battery;
- ▶ Microcomputer, touch keyboard, backlight LCD, standard parallel RS232 data communication interface
- ▶ Custom-made high strength long service life lamp-house, provided with data storage and inquiry function, can meet GLP requirements
- ▶ Data nonlinear processing and data smoothing function, quick and automatic multi-points calibration, self-diagnostic information prompt, selectable span – automatic or manual switch
- ▶ Adopting big-screen highly transparent LCD display, with comfortable reading, and free of ill influence from sunlight;
- ▶ Adopting low-drift and high-accuracy integrated circuit, efficient and time proof light source, effectively ensuring long reliable performance
- ▶ Unique locative structure and high-accuracy light path system, effectively ensuring exactness and repeatability;
- ▶ Low voltage indication, cuing users to change battery, to ensure exact and effective measurement;
- ▶ Configured with output port of measured values, possible to connect with recording meter

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Specifications

Model	TU001	TU002	TU003	TU004
Minimum Principle	90°scattered light			
Minimum readout (NTU)	0.01	0.001	0.01	0.001
Measuring range (NTU)	0~50	0~10	0~10	0~10
	0~500	0~100	0~100	0~100
		0~500	0~1000	0~500
				0~1000
				0~4000
Basic error (F.S.)	±2%			
Repeatability	≤1%			
Zero draft (F.S.)	±0.5% (0.1 NTU)		±0.5% (0.02 NTU)	