

Turbidity Laboratory Turbidity Meters

Turb 550 / Turb 550 IR



- AutoRange
- Automatic 1-3 point calibration
- Flow-through measurement

THE professional turbidity meter – Up to 1,000 NTU

Laboratory turbidity meters for nephelometric measurements with automatic 1-3-point calibration and calibration interval monitoring. Measuring range selection from 0.01 ... 1000 NTU is carried out automatically and for comparative measurements the current and previous values can be shown on the 2-line display.

Standard equipment includes instrument with built-in short operating instructions, 3 empty cuvettes and 3 standards (0.02 – 10.0 – 1000 NTU, AMCO® standards with approval for drinking water as primary standards according to US EPA and according to EN ISO 7027).

An unpressurized flow-through adapter is available for continuous measurements.



Technical Data

	Turb 550	Turb 550 IR	Turb 555	Turb 555 IR
Measuring principles	Nephelometric	Nephelometric	Nephelometric ratio methode transmission	Nephelometric ratio methode transmission
Light source	Tungsten lamp	IR-LED	Tungsten lamp	IR-LED
Measuring range	NTU 0 ... 1000 FNU – EBC – Nephelos – FAU –	0 ... 1000 0 ... 1000	0 ... 10000 – 0 ... 2450 0 ... 67000 –	0 ... 10000 0 ... 10000 0 ... 2450 – 0 ... 10000
Resolution	0.01 NTU from 0.00 ... 9.99 0.1 NTU from 10.0 ... 99.9 1 NTU from 100 ... 1000		0.0001 NTU from 0.0001 ... 9.9999 NTU 0.001 NTU from 10.000 ... 99.999 NTU 0.01 NTU from 100.00 ... 999.99 NTU 0.1 NTU from 1000.0 ... 9999.9 NTU	
Accuracy	±2% of value or ±0.01 NTU		0 ... 1000 NTU: ±2% of value or ±0.01 NTU 1000 ... 4000 NTU: ±5% of value 4000 ... 10000 NTU: ±10% of value	
Reproducibility	±1% of value or ±0.01 NTU			
Calibration	Automatic 1...3 point calibration		Automatic 1...5 point calibration	
Response time	< 3 seconds		< 6 seconds	
Cuvettes	1.1 x 2.76 in (28 x 70 mm) round cuvette, 25 ml sample volume			
AQA functions	Calibration interval monitoring Calibration protocol		Calibration interval monitoring Calibration protocol Password-protected access to calibration and configuration time-controlled data transmission	
Operating temp.	50 ... 104 °F (+10 ... +40 °C)		32 ... 122 °F (0 ... +50 °C)	
Power supply	Plug-in power supply 100 - 240 VAC ±10% / 47 - 63 Hz			