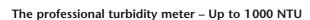
Lab Turbidity Meters

Turb® 550 / Turb® 550 IR

- Measuring range 0.01 ... 1 000 NTU with autoranging
- Automatic 1-3 point calibration
- Flow-through measurement



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.

Turb® 555 / Turb® 555 IR

- Measuring range 0.0001 to 10000 NTU with AutoRange function
- Automatic 1 ... 5 point calibration
- Ratio
- Flow-through measurement



Standard equipment includes instrument with built-in short operating instructions, 3 cuvettes and 3 standards: 0.02 – 10.0 – 1 000 NTU, AMCO Clear® 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.



The ADVANCED professional meter – measuring range up to 10 000 NTU

Highly precise lab instrument with wide measurement range from 0.0001 up to 10 000 NTU (automatic switch of measurement ranges) for all applications of turbidity, in particular for quality control of high turbidity values. For values \leq 1100 NTU, the calibration of Turb 430 and Turb 550 is faster and easier in handling.

The measuring system with its 4 detectors allows not only nephelometric (90° scatter) measurements and transmittance measurements, but also ratio measurements in which the influences of stray light and sample color are reduced. Comprehensive AQA functions such as monitoring the calibration interval or password protection for calibration and setup access fulfill quality assurance requirements for measured values, and are all also included in the documentation of the measurements.

Hd



Laboratory Meters

Continuous flow-through measurements are possible up to a pressure of 4 bar with FLOW-THRU-TURB vessel.



Come complete with 4 AMCO Clear® standards for calibration up to 4000 NTU. For applications up to 10000 NTU a further standard is available. Due to the precise manufacturing accuracy and long-time stability, the AMCO Clear® standards are preferred compared to Formazin.

Flow-through vessel Flow-Turb

	Turb [®] 550	Turb [®] 550 IR	Turb [®] 555	Turb® 555 IR	
Measuring principles	Nephelometric	Nephelometric	Nephelometric ratio method transmission	Nephelometric ratio method transmission	
Light source	Tungsten lamp	IR-LED	Tungsten lamp	IR-LED	
Measuring range NTU 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 0.0001 NTU from 0.00 0.1 NTU from 10.0 99.9 0.001 NTU from 10.00 1 NTU from 100 1000 0.01 NTU from 100.00 0.1 NTU from 100.00 0.1 NTU from 1000.0		00 99.999 NTU 0 999.99 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 13 point calibration		Automatic 15 point calibration		
Response time	< 3 seconds		< 6 seconds	< 6 seconds	
Cuvettes	28 x 70 mm (1.1 x 2.76 in) round cuvette, 25 ml sample volume				
AQA functions	Calibration interval monitoring Calibration protocol		Calibration protocol Password-protected ac and configuration	Password-protected access to calibration	
Operating temperature	+10 +40 °C (50 104 °F)		0 +50 °C (32 122 °F)		
Power supply	Plug-in power supply 100 - 2	240 VAC +10% / 47 - 63	Hz		

Ordering Information

Ordering i	III O I III a CI O II	
Model		Order No.
Turb® 550	Laboratory turbidity meter with universal power supply 90 250 V, 3 calibration standards 0.02 – 10.0 – 1000 NTU, 2 empty cuvettes	600 100
Turb® 550 IR	Laboratory turbidity meter for measurements according to DIN EN 27 027, ISO 7027 (EN ISO 7027) universal power supply 90 250 V, 3 calibration standards 0.02 – 10.0 – 1000 NTU, 2 empty cuvettes	600 110
Turb® 555	High-end laboratory turbidity meter according to US EPA with universal power supply 90 250 V, 4 calibration standards 0.02 – 10.0 – 100 – 1750 NTU, 3 empty cuvettes	600 200
Turb® 555 IR	High-end laboratory turbidity meter according to DIN/ISO (EN ISO 7027) with universal power supply 90 250 V, 4 calibration standards 0.02 – 10.0 – 100 – 1750 NTU, 3 empty cuvettes	600 210





For flow-through vessels, calibration standards and other accessories, see WTW Product Details.