

Turb 355 T / Turb 355 IR

The portable turbidity meter: IR and Tungsten models

Battery-operated portable turbidity meter with Tungsten lamp according to US EPA or infrared LED (860 nm) for nephelometric measurements according to ISO 7027 / DIN/ EN 27 027 (EN ISO 7027): Handy, lightweight and easy to operate.

The AutoRange function switches the measuring range automatically. Resolutions are between 0.01 und 1 NTU, depending on the measuring range.

The 1 to 3-point calibration is very convenient for the operator. Pressing the CAL key switches the instrument to the calibration mode. The menu-guided interface easily guides the operator through the calibration process: the operator is prompted to enter and confirm calibration standards in descending order.

The Turb 355 T / IR comes in a handy carrying case. All necessary accessories are included. The instrument is powered by 4 AAA batteries and fulfills IP 67.

- Tungsten model
- 0 - 1100 NTU/FNU
- Easy operation



IP 67



2 Year Warranty

Technical Data

	Turb 430 IR	Turb 355 T / 355 IR
Measuring principles	Nephelometric (90° scatter)	Nephelometric (90° scatter)
Light source	IR-LED	Tungsten lamp/IR-LED
Measuring range NTU FNU	0 ... 1100 0 ... 1100	0 ... 1100 0 ... 1100
Resolution	0.01 from 0.00 ... 9.99 0.1 from 10 ... 99.90 1 from 100 ... 1100	0.01 NTU from 1 ... 9.99 0.1 NTU from 10.0 ... 99.9 1 NTU from 100 ... 1000
Accuracy	0.01 NTU	±2% of value or ±0.01 last decimal place in range 1 ... 500 NTU ±3% of value in range 500 ... 1100 NTU
Reproducibility	<0.5%	±1% of value or ±0.01 NTU
Calibration	Automatic 3 point calibration	Automatic 1...3 point calibration
Response time	Approx. 3 seconds	14 seconds
Cuvettes	1.10x2.36 in. (28x60 mm), 20 ml sample volume	0.98x1.77 in (25x45 mm), 15 ml sample volume
Interface	RS 232, USB via adapter	
Operating temp.	32 ... 122 °F (0 ... +50 °C)	32 ... 122 °F (0 ... +50 °C)
Power supply	4 x AA batteries for approx 3,000 measurements	4 micro (AAA) alkaline manganese batteries suitable for more than 1,500 measurements

Ordering Information

Model		Order No.
Turb 355 IR	Portable turbidity meter according to ISO 7027 / DIN EN 27 027 (EN ISO 7027) in professional case with 4 micro (AAA) alkaline manganese batteries, 3 calibration standards 0.02 – 10.0 – 1000 NTU and 2 empty cuvettes	600 311
Turb 355 T	same as Turb 355 IR, but with tungsten lamp according to US EPA	600 312
Turb 430 IR	Portable turbidity measuring instrument for nephelometric measurements (90°) according to DIN EN 27027, incl. calibration kit (0.02 - 10 - 1000), 2 empty cuvettes, cleaning tissues, batteries (4 x AA), suited for drinking water. (Optional LabStation or rechargeable battery pack see brochure "Product Details")	600 320

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