



WTW Portable Turbidity Meter Turb® 430 IR

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Manufacturer: WTW (en/manufacturer/wtw)

DESCRIPTION	TECHNICAL DATA
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WTW Portable Turbidity Meter Turb® 430 IR

Portable turbidity meter for nephelometric measurements (90°) according to DIN EN 27027, including calibration kit (0.02-10 - 1000), 2 empty cuvettes, cleaning tissues, batteries (4 x AA), suitable for drinking water. Optional: Labstation LS Flex/430 with PC software LSdata for GLP-compliant data analysis or Akku Pack RB Flex/430.

- Scattered light characteristics according to Pharmacopeia 5.0
- Multifunctional LabStation
- GLP/AQA conform documentation

Lab accuracy & comfort in portable field instrument:

With the turbidimeters Turb® 430 T and Turb® 430 IR, the user has the choice to perform nephelometric measurements at 90° scattered light, according to the application and standard required. The Turb® 430 IR meets the DIN 27027/ISO7027 requirements, the Turb® 430 T those of US EPA 180.1. The measuring range is from 0 to 1100 NTU/FNU and is identified automatically. Measurements in the low range, e.g. for drinking water, are excellent together with easiest calibration and convenient handling.

All measurements and menu driven 3-point calibration along with the easy functions for accurate and precise measurements require minimal training. The calibration is performed via an AMCO Clear® standards set (0.02-10-1000 NTU). Up to 1000 data sets with ID numbers can be stored and output using the LabStation and powerful LSdata software.

The quality of the measurement results is supported by adjustable calibration intervals with documentation. The Turb® 430 is not only a field measuring instrument (especially with the practical field case), but also a "small lab instrument" for applications up to 1100 NTU/FNU and with optimum data management.

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WTW Portable Turbidity Meter	Turb® 430 IR
Measuring principles	Nephelometric (90° scatter)
Light source	IR-LED
Measuring range NTU FNU	0...1100 0...1100
Resolution	0.01 from 0.00...9.99 0.1 from 10...99.90 1 from 100...1100
Accuracy	0.01 NTU or ±2 % of the measured value
Reproducibility	<0.5% of the measured value or 0.01 NTU/FNU
Calibration	Automatic 3 point calibration
Response time	Approx. 3 seconds
Cuvettes	28x60 mm (1.10x2.36 in.), 20 ml sample volume
Interface	RS 232, USB via adapter
Special functions Calibration protocol Storage of measured value RS 232 Date/Time Data evaluation Rechargeable battery	Yes 1000 Yes Yes Yes Optional
Operating temp.	0...+50 °C (32...122 °F)
Power supply	4 x AA batteries for approx 3,000 measurements