Turb® 750 T Series

BENCHTOP TURBIDITY METER WITH IRPC – THE INTELLIGENT VALUE CHECK

YSI's Turb® 750 T benchtop turbidity meter provides accurate and precise measurements up to 1100 FNU/NTU at an affordable price. The turbidity meter complies with US EPA 180.1 and includes Analytical Quality Assurance (AQA), which allows for adjustable calibration intervals, calibration record of turbidity standards used and GLP-compliant documentation via PC and LIMS. With advanced features like intelligent reproducibility and plausibility check (IRPC), the instrument can quickly take multiple measurements and automatically evaluate the data and remove outliers, offering your laboratory efficiency and precision.

Trusted Results!
One of the most affordable turbidity meters in the market, without compromising quality.

Compliant Data Management
Complies with EPA 180.1 and GLP.

High-Precision, Compact Design
Superior accuracy and precision with Xylem's IRPC feature.

YSI

a **xylem** brand

Technical Specifications

Measuring standards	US EPA 180.1
Light source	White light Tungsten filament lamp
Measuring mode	Nephelometric (90° scattered light)
Display	Backlit graphics display, 160 x 104 Pixels
Keypad	Easy-to-clean foil keypad with alphanumeric entry option
Measuring range	0 - 1100 NTU
Units	NTU
Resolution	0.01 FNU/NTU in the range 0.00 – 9.99 FNU/NTU 0.1 FNU/NTU in the range 10 – 99.99 FNU/NTU 1 FNU/NTU in the range 100 – 1100 FNU/NTU
Accuracy	0.01 NTU or ± 2% of reading, ± 3% in the range 500 – 1100 NTU
Repeatability	$\leq$ 1% of reading
Reading mode	Measurement with Intelligent Reproducibility and Plausibility Check (IRPC) procedure, rapid settlement samples supported by fast response time and IRPC.
Response time	7 sec
Calibration – options	Default 3 points standard calibration, flexible calibration with 2–5 user defined calibration points, QUICKCal
Calibration protocol and interval setting	yes/yes
AQA-Support	Calibration protocol, Analytical Quality Assurance (AQA) flag, cal flag
Data storage	2500 data sets with cal protocol, AQA flag
Sample Identification	Alphanumeric entry via keypad
Firmware update	via USB
Interface	RS232, USB, printer via PC or RS232
Storage condition instrument	– 25 to + 65 °C (13 to 149 °F)
Operating temperature range	+5 to + 55 °C (41 to 131 °F) +5 to + 40 °C (41 to 104 °F) with power plug connected
GLP-compliant PC software	Turb® Data
Dimensions (H x W x D)	290 x 190 x 80 mm (11.42 x 7.48 x 3.15 inches)
Weight	1.1 kg (2.42 lbs)
Calibration standards	Cal.Kit for 3-P standard calibration: long-term stable polymer AMCO® Clear standards (0.02, 10.0, 1000 FNU/NTU)
Vials, sample volume	28 mm diameter vials, min. volume 15 ml, borosilicate glass, phenolic resin cap, PTFE-coated rubber seal. No silicon oil required to cover scratches for measurement procedure!
Sample conditions	Sample temperature < 70 °C (158 °F)
Power supply	Wide range power supply with plugs for Euro, US, UK and Australia
Certificates	CE

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