



## TU5200 Laboratory Laser Turbidimeter with RFID, EPA Version

Product #:

LPV442.99.03012 **Hazardous**

AED Price:

Contact Hach



### The next standard in the evolution of turbidity

The platform employs a unique optical design that sees more of your sample than any other turbidimeter, delivering the best low level precision and sensitivity while minimizing variability from test to test. For the first time you will be able to remove the uncertainty of which measurement to trust, thanks to identical 360° x 90° Detection Technology in both instruments. The TU5 Series dramatically reduces the time needed to get a turbidity measurement you can rely on. The TU5200 Lab Turbidimeter, with the 360° x 90° Detection Technology, sees more of your sample meaning you no longer have to apply silicone oil to your vial and index to ensure an accurate reading. In addition, you can have confidence that you will get consistent results in the lab, from operator to operator, since the impact of small interferences is minimized due to the collection of light at 360°.

Only the new TU 5 Series Lab & Process Turbidimeters with 360° x 90° Detection deliver unprecedented confidence that a change in your reading is a change in your water.

#### Groundbreaking 360° x 90° Detection Technology

The TU5 Series employs a unique optical design that sees more of your sample than any other turbidimeter, delivering the best low level precision and sensitivity while minimising variability from test to test.

#### Matching lab and online results

For the first time you will be able to remove the uncertainty of which measurement to trust, thanks to identical 360° x 90° Detection Technology in both instruments.

#### Everything about turbidity – faster

The TU5 Series dramatically reduces the time needed to get a turbidity measurement you can rely on, with 98% less online sample surface area to clean, sealed vials for calibration, and the elimination of the need for indexing and silicone oil in the lab. Not to mention, a smaller online sample volume means you will detect events almost immediately.

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### Specifications

Accuracy:	±2 % plus 0.01 NTU from 0 - 40 NTU;
	±10 % of reading from 40 - 1000 NTU based on Formazin primary standard (at 25 °C)
Calibration method:	For Formazin and Stablcal:
	20 NTU from 0 to 40 NTU; at 20 FNU and 600 NTU for full range
	Custom calibration for up to 6-point calibrations
	Degrees 0 - 100 mg/L

	SDVB 0 - 1000 NTU
Certifications:	CE compliant
	US FDA accession number: 1420493-000 EPA version, 1420492-000 ISO version
	Complies with IEC/EN 60825-1 and to 21 CFR 1040.10 in accordance with Laser Notice No. 50)
	Australian ACMA Marking
Communication:	Link2sc and RFID
Dimensions (H x W x D):	195 mm x 409 mm x 278 mm
Display:	7" WVGA (800 x 480) color TFT-LCD with touch screen
Enclosure Construction:	PC/ABS Blend Plastic
Light source:	Class 2 laser product, with embedded 650 nm (EPA 0.43 mW) or Class 1 laser product, with embedded 850 nm (ISO), max. 0.55 mW (complies with IEC/EN 60825-1 and to 21 CFR 1040.10 in accordance with Laser Notice No. 50)
Measuring range:	EPA:  0 - 700 NTU / FNU / TE/F / FTU  0 - 100 mg/L  0 - 175 EBC  ISO:  0 - 1000 NTU / FNU / TE/F / FTU  0 - 100 mg/L  0 - 250 EBC
Model:	TU5200 EPA
Operating humidity:	80 % at 30 °C (non condensing)
Operating temperature range:	10 - 40 °C
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100 - 240 V AC
Regulatory:	EPA
Repeatability:	<40 NTU: Better than 1% of reading or $\pm 0.002$ NTU on Formazin at 25 °C (77 °F), whichever is greater  >40 NTU: Better than 3.5% of reading on Formazin at 25 °C (77 °F)
Resolution:	0.0001 NTU / FNU / TE/F / FTU / EBC / mg/L
Response time:	Signal averaging off: 7 seconds  Signal averaging on: 10 seconds (when averaging time is 5 seconds)
Sample temperature:	4 - 70°C (39 - 158°F)
Source lamp:	EPA Version - 650 nm Class 2 Laser
Storage conditions:	-30 to 60 °C
Stray light:	<10 mNTU
Units:	NTU, FNU, TE/F, FTU, EBC;  mg/L if calibrated with Degrees calibration curve
Warranty:	24 months

Weight:	2.4 kg
What's included?:	TU5200 benchtop turbidimeter, user manual, Stablcal kit (10, 20 and 600 NTU), 2 sample vials, power supply, dust cover, vial stand

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