TU5200 Benchtop Laser Turbidimeter with RFID, ISO Version

Product #:	LPV442.99.03022
ZAR Price:	Contact Hach

The next standard in the evolution of turbidity

The TU5 Series benchtop turbidimeters for drinking water and other pure water applications feature a revolutionary 360° x 90° Detection Technology, engineered to see more of your sample than any other turbidimeter. This unique technology is used in both the TU5 online and TU5 benchtop turbidimeters, allowing you for the first time to remove the uncertainty of which measurement to trust. The 360° x 90° Detection delivers the best low level precision and sensitivity while minimising variability from test to test. The TU5 Series benchtop turbidimeters are available in four different models with stable laser light source: two EPA and two ISO models, each with an additional RFID option that allows you to compare values from online and lab measurements.

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.

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 - 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) colour 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)
Model:	TU5200 ISO
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
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
Regulatory:	DIN EN ISO 7027
Repeatability:	<40 NTU: Better than 1% of reading or ±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)
Storage conditions:	-30 to 60 °C (-22 to 140 °F)
Stray Light:	<10 mNTU
Units:	NTU, FNU, TE/F, FTU, EBC;
	mg/L if calibrated with Degrees calibration curve
Warranty:	2 years
Weight:	2.4 kg

What's in the box?

TU5200 benchtop turbidimeter, user manual, Stablcal kit (10, 20 and 600 NTU), 2 sample vials, power supply, dust cover, vial stand