

# TU5200 Laboratory Laser Turbidimeter without RFID, ISO Version

| | |
|---|---|
| **Product #:** | **LPV442.99.01022** |
| ZAR Price: | Contact Hach |
| Available | |

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.

## 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 |
| 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 VAC |
| Range: | EPA:<br><br>0 - 700 NTU / FNU / TE/F / FTU<br><br>0 - 100 mg/L<br><br>0 - 175 EBC<br><br>ISO:<br><br>0 - 1000 NTU / FNU / TE/F / FTU<br><br>0 - 100 mg/L<br><br>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<br><br>>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<br><br>Signal averaging on: 10 seconds (when averaging time is 5 seconds) |
| Sample Temperature: | 4 - 70 °C |
| Source Lamp: | ISO Version - 850 nm Class 2 Laser |
| Storage conditions: | -30 - 60 °C |
| Stray Light: | <10 mNTU |
| Units: | NTU, FNU, TE/F, FTU, EBC;<br><br>mg/L if calibrated with Degrees calibration curve |
| Warranty: | 12 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 |

## What's included?

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