



## TL2360 LED Turbidimeter, ISO, 0-10000 NTU

**Product #:** LPV444.99.00320

**ZAR Price:** Contact Hach

**Ships within 3-5 weeks**

### Trusted measurement for high turbidity applications; simplified.

The new TL23 Series laboratory turbidimeters blend trusted technology and improved features to simplify testing in the most demanding wastewater and industrial applications.

#### Improved and intuitive design

The TL23 Series' large full colour touch screen display and intuitive user interface accelerate setup, calibration and measurement. An easy interface and guided procedures give you confidence in your results.

#### A smart device for more reliable measurements

The TL23 Series ensures stable readings and accurate analysis by capturing turbidity readings once the device detects sample stability. This quality step removes subjectivity and the need for repeated measurements.

#### Easy to use. Easy to Be Right

The TL23 Series provides everything you need at your fingertips. With a USB port for easy data export, sample identification for traceability, and self-diagnostics for quality assurance, Hach® makes it easy to Be Right.

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## Specifications

Accuracy:	FNU: $\pm 2\%$ of reading plus 0.01 FNU from 0 - 1000 FNU  FAU: $\pm 10\%$ of reading from 20 - 10000 NTU  NTU: $\pm 2\%$ of reading plus 0.01 NTU from 0 - 1000 NTU, $\pm 5\%$ of reading from 1000 - 4000 NTU, $\pm 10\%$ of reading from 4000 - 10000 NTU
Accuracy 3:	Absorbance: $\pm 0.005$ Abs from 0 - 1 Abs at 860 nm  Transmittance: 0.12% T from 10 - 100% T at 860 nm
Air purge:	Dry nitrogen or instrument grade air (ANSI MC 11.1, 1975)  0.05 L/s at 69 kPa (10 psig); 138 kPa (20 psig) max  Hose barb connection for 1/8-inch tubing
Certifications:	CE, KC, RCM
Communication:	USB
Compliance:	ISO
Data logging:	2000 total logs, includes reading log, verification log and calibration log
Dimensions (H x W x D):	153 mm x 395 mm x 305 mm
Display:	17.8 mm colour touch screen

Interface:	2 USB-A ports for USB flash drive, external printer, keyboard and barcode scanner
Light source:	Light-emitting diode (LED) at 860 ± 30 nm
Measurement method:	Nephelometric
Measuring range:	0 - 10000 NTU
Model:	TL2360 ISO
Operating temperature range:	0 - 40 °C
Power requirements (Amps):	3.4 A
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100 - 240 VAC
Range:	FNU (Ratio on): 0 - 1000
	FNU (Ratio off): 0 - 40
	FAU (auto range): 20 - 10000
	NTU (Ratio on): 0 - 10000 auto decimal
	NTU (Ratio off): 0 - 40
	EBC (Ratio on): 0 - 2450 auto decimal
	EBC (Ratio off): 0 - 9.8
	Absorbance (auto range): 0 - 2.00
	Transmittance (%): 1.0 - 100
	Degree (mg/L): 0 - 100
Reading modes:	Manual or auto range, signal averaging on and adjustable or off, ratio on or off
Regulatory:	Meets ISO 7027, DIN EN 27027, DIN 38404 and NFT 9033
Repeatability:	±1% of reading or 0.01 FNU/NTU, whichever is greater (under reference conditions)
Response time:	Signal averaging off: 6.8 seconds / Signal averaging on: 14 seconds (when 10 measurements are used to calculate the average)
Sample cell compatibility:	Round cells 95 x 25 mm (3.74 x 1 in.) borosilicate glass with rubber-lined screw caps
	Note: Smaller sample cells (less than 25 mm) can be used when a cell adapter is used.
Sample requirements:	25 mm sample cell: 20 mL minimum
	0 to 70 °C (32 to 158 °F)
Source Lamp:	LED
Stabilisation time:	Immediately
Storage conditions:	-20 to 60 °C
Units:	FNU, FAU, NTU, EBC, Abs (absorbance), %T (% transmittance) and mg/L
Warranty:	12 months
Weight:	3.0 kg

What's included?:	TL2360 Turbidimeter, silicone oil, oiling cloth, 1-inch sample cells (30 mL) with caps (6x), Gelex secondary turbidity standardization kit, Stablcal calibration kit, power supply, power cord, dust cover
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