

Palintest

Turbidity Expert

Delivering clarity through
accuracy, simplicity
and connectivity





What is Turbidity?

Turbidity is a measure of how clear or cloudy water appears due to the presence of suspended particles like dirt, algae, and other microscopic contaminants. Higher turbidity often signals poor water quality.

Turbidity is a critical parameter for water utilities, environmental monitoring and many industrial applications as it ensures water safety by meeting health standards. Consistent turbidity monitoring helps prevent contamination and ensures high-quality water.

Ideal for use in



Drinking Water



Effluent Monitoring



Environmental Analysis



Humanitarian Water



Food & Beverage



Aquaculture



Industrial Processes



Recreational Water

Why choose Turbidity Expert?

Key Benefits



Intuitive Interface

Graphical touch screen
Simplifies testing
Reduces user errors



Rugged Durable Construction

Waterproof (IP67)
Dustproof
Protected against impact (IK08)



Innovative Optics

Reduce downtime & the need to return for cleaning & calibration



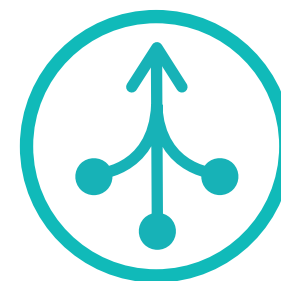
Reliable Performance

Precise to 0.01 NTU
Verify calibration with 1NTU check standards



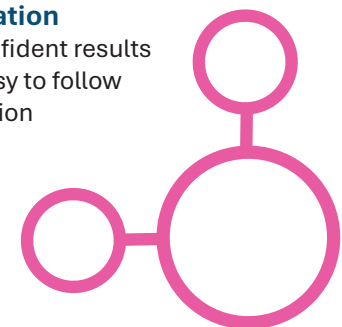
Wi-Fi & Cloud Connectivity

Real-time results
Timely decisions
Cloud data management



Simplified Calibration

Get confident results with easy to follow calibration



Replaceable Field Optics

Sampling turbidity in the field can be a messy task. While precision optics are effective, they can disrupt operations if they become dirty.

We listened, understood, and developed field-replaceable optics, reducing the need to return the instrument for cleaning and calibration.

The replacing of the optic is a simple process, using the supplied screw driver, the changeover takes less than 5 mins.

Turbidity Expert



**Replaceable
Optics Kit PT128**



Quick Reference: Kits and Part Codes



Turbidity Expert Kit LTH090

Supplied in a protective, rugged hard case Instrument, 4 SDVB standards, sample test tubes, silicone oil, dilution tube, cleaning cloth, USB-C charging cable, quick start guide.



Turbidity Expert & Lumiso Chlorine Combined Kit LUM7051

Portable analysis of chlorine and turbidity with a single field kit. Supplied in a hard case.

Turbidity Expert, Lumiso chlorine, 4 SDVB standards, sample test tubes, silicone oil, dilution tube, cleaning cloth, USB-C charging cable, 10ml syringe, reusable reagent box, crush rods, quick start guide.



Turbidity Expert Combined Kit (Without Lumiso Chlorine) LUM7051WLC

Turbidity Expert, Lumiso chlorine, 4 SDVB standards, sample test tubes, silicone oil, dilution tube, cleaning cloth, USB-C charging cable, 10ml syringe, reusable reagent box, crush rods, quick start guide.

Quick Reference: Accessories

Description	Code
Replaceable Optics Kit	PT128
SDVB Calibration Standards Kit	LTC090
Crush Rods, Pack of 10	PT502
Syringe 10 mL	PT369
Silicone Oil, 10 mL	PT120
USB C Charging Cable	PT749
Dilution Tube	PT512
Polishing Cloth	PT399
Sample Tube Brush	PT663
Glass Test Tubes, Pack of 5	PT555



Technical Specification

Range	0.01-1000 NTU
Repeatability	+/- 1% (or +/-0.01 NTU) whichever is greater
Approvals	ISO7027 compliant- Light Source featuring 860 nm wavelength LED
Measuring System	Nephelometry
Operating Range	Ambient Range 0°C - 40°C
Reading Mode	Normal (Push to Read), Signal Averaging, Continuous
Response Time	<7 seconds in Normal reading mode
Display	800 x 480px full colour IPS display
User Interface	Touchscreen (usable with wet and gloved hands)
Ingress Protection	Enclose Rating IK08 Impact Resistance Rating
IP67 Waterproof rating	IK08 Impact Resistance Rating
Connectivity	Palintest Connect enabled Wi-Fi, USB- C for data transfer
Data Storage	5,000 test results
Size (W x L x H) & Weight	195 mm x 166 mm x 72 mm, 650g
Battery & Power Supply	Rechargeable Li-ion Battery (2500 tests on full charge) USB-C powered/ Rechargeable



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