



TURBIDITY EXPERT & LUMISO CHLORINE KIT

The Turbidity Expert & Lumiso Chlorine Kit is a portable, rugged kit for reliable chlorine and turbidity analysis. Ideal for drinking water, wastewater, and industrial applications, it ensures accurate and dependable results in the field.

COMPATIBLE WITH

connect
By Palintest



Intuitive Interface

Graphical touch screen with on screen instructions that simplifies testing and user calibration ensuring consistent results across teams and reduced training time.



Reliable Performance

Achieves ± 0.01 NTU accuracy with patented optics that limit stray light to 0.02 NTU, ensuring clarity even at low turbidity. The 1 NTU verification ensures confidence in every test.



Rugged Construction

Built for the field, Turbidity Expert is IP67 waterproof and IK08 impact-resistant, with a secure optic cap. The optics is replaceable in field, minimizing need to return for repair.



Cloud Connectivity

Real-time results and cloud data management for timely decisions using Wifi or QR code. Add GPS coordinates to pinpoint testing locations and visualise hotspots.

TESTS FOR

Parameter	Test Range
Turbidity	0.01 – 1000NTU
Chlorine	0-250mg/L

Kit Contents

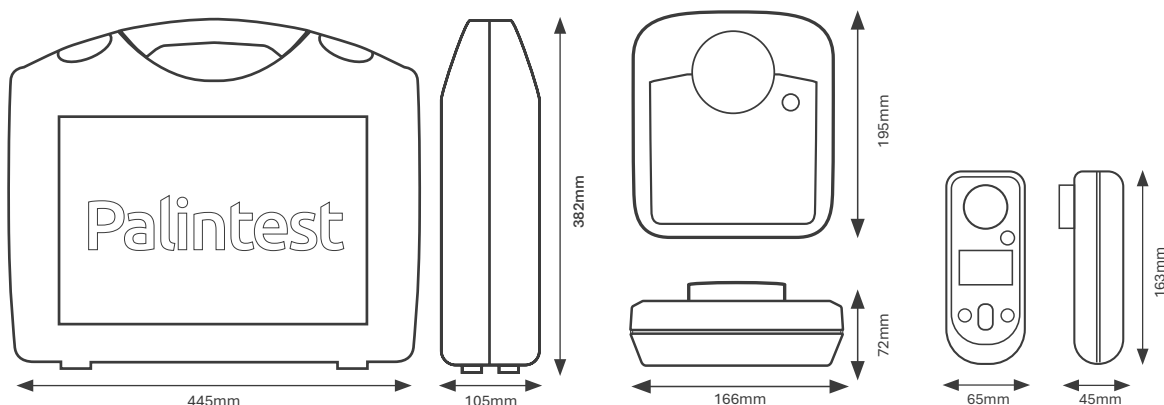


ORDERING INFORMATION

PRODUCT CODE: LUM7051

PRODUCT CODE: LUM7051WLC*

Technical Specification



Turbidity Expert Specifications

Range	0.01-1000 NTU
Repeatability	±1% (or ±0.01 NTU), whichever is greater
Approvals	ISO7027 compliant, featuring 860 nm wavelength LED
Measuring System	Nephelometry
Operating Range	Ambient temperature from 0°C to 40°C
Reading Modes	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	Enclosure rating IK08 for impact resistance, IP67 waterproof rating
Connectivity	Palintest Connect enabled Wi-Fi, USB-C for data transfer
Data Storage	Up to 5,000 test results
Kit Weight	3.03kg
Instrument Size & Weight	195 mm x 166 mm x 72 mm, 650g
Battery & Power Supply	Rechargeable Li-ion battery (up to 2500 tests on a full charge), USB-C powered/rechargeable

Lumiso Chlorine Specifications

Instrument Type	Colorimeter offering direct-reading of pre-programmed test calibrations
Peak Wavelengths	530 nm
Accuracy	± 1.0% T
Display	226 × 138 pixels LCD with backlight
User Interface	Language free, on screen visual icons
Size (W x L x H)	163 mm x 70 mm x 45 mm
Instrument Weight	275 g
IP Rating	IP67
Power Supply	3 x AA 1.5V Batteries
Connectivity	USB for data download and software updates
Data Sets	Up to 50 data sets