Photonic Measurements

UV254 Go!

UVA/UVT Portable Analyser

Versatile UV254 Go! for Accurate NOM

The UV254 Go! is a compact handheld device that measures UV254 transmission and absorption, indicating Natural Organic Materials (NOMs) in water.

It functions as both a benchtop lab analyzer and a portable field analyzer, ideal for assessing organic content in various water samples. The UV254 Go! includes two 10mm Quartz Cuvette Cells and power and charging accessories, with no reagents required for operation.

Applications

Drinking Water

- Distribution system contamination
- Source water monitoring /protection
- UV Disinfection
- Reverse Osmosis
- DBP formation potential

Waste Water

- Distribution system contamination
- Source water monitoring /protection
- UV Disinfection
- Reverse Osmosis
- DBP formation potential

Environmental Monitoring

- Rivers and lakes
- Groundwater
- Pollution control

Benefits

Fast, Accurate Results

- Real-Time Data: Instant readings for UVA and UVT.
- Long-Life LEDs: Reliable output, no frequent replacements.
- Quick Measurements: Results in seconds.

Operational Efficiencies

- No Consumables: Eliminates ongoing costs.
- Low-maintenance, durable design.
- Low power usage with long-life LEDs.
- Suits various testing needs.

Ease of Use

- Intuitive controls. and quick setup
- Portable Design: Lightweight and easy to transport.
- Internal Battery: Flexible use with charging options.

Data Integrity

- Accurate tracking with date and time.
- Simple Data Transfer: USB export in Excel-compatible formats.
- Secure data storage for up to 10 years.
- Error-Free Recording: Digital, error-free data storage.

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Specifications

Measurements	UVA, UVT
Range	0-100% UVT, 0-2.5 ABS
Accuracy	±0.5% UVT
Repeatability	±0.05% UVT
Cuvettes	10mm square UV Quartz Cuvette, 1, 2, 5 & 10mm options
Measurement Time	Less than 30 seconds
Power	Lipo Internal Battery, USB Charger
Wavelength	254nm
Light Source	Deep UV LED, long life, self-monitoring

Data Logger	10 years data storage
Dimensions	140x160x77mm
Display	800 x 480 pixel, 4in Capacitive Touch, TFT colour LCD
Operating Conditions	1 to 45°C, max 80% relative humidity (non-condensing)
Storage Conditions	-20 to 60°C, max 80% relative humidity (non-condensing)
Enclosure Rating	IP65
Interfaces	USB file transfer to PC
Warranty	12 months
Accessory Options	Hard case, cuvettes, sample containers, power bank

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Measurement of surrogates requires routine calibration to standard procedures, as the water matrix chemistry may change with time.