

Take control of Natural Organic Materials (NOMs) in your water without the need for expensive reagents.

Photonic Measurements UV254 probe measures UVA, UVT and SUVA** with surrogate measurements* of TOC, BOD and COD. Responsive detection of aromatic organic material allows you to manage disinfection by-products such as Trihalomethanes (THM).

UV-254 Probe

Small footprint probe with 39mm diameter. The probe can be configured with either a 20mm or 50mm path length depending upon the water quality and measurement requirements.

Self monitoring and fouling compensation ensures a long time between services.

Choose from food safe plastic, aluminium or stainless steel housing for the probe and flow cell.

Investigate trends and upsets with data storage that records every measurement

Modern Control Unit

Display results, trend and alarm data in real time for multiple parameters simultaneously on a colour display control unit with a touch screen interface.

Data Review

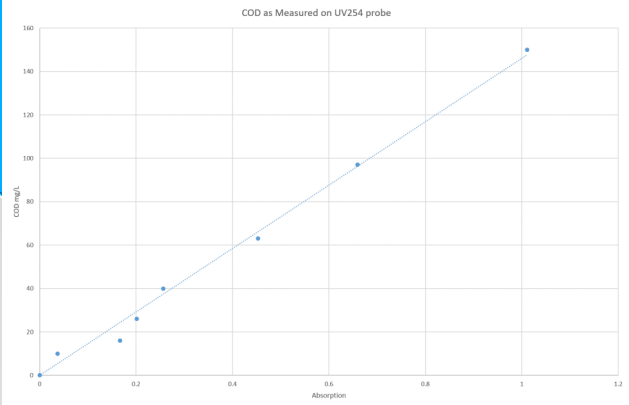
Store a lifetime of data on the analyser.
See a graphical review of trend data
Easily transfer Excel-compatible CSV output files
Removable secondary storage device

Advanced Optics and Electronics

Long life pulsed UV LEDs ensure an extended service life and have none of the decay issues associated with mercury lamp analysers

* Measurement of surrogates requires routine calibration to standard procedures, as the water matrix chemistry may change with time.
**Measurement of SUVA requires the probe to be periodically updated with the current dissolved organic carbon from the water.

Measurements	UVA, UVT and SUVA Surrogate measurements TOC, BOD, COD and others
Range	0-100% UVT 0-2.5 ABS
Accuracy	±0.5% UVT
Repeatability	±0.05% UVT
Path Length	20 or 50mm
Sampling Time	10 Second
Material	Plastic (food safe), Aluminium or Stainless Steel
Wavelength	254nm LED and narrow filter photodiode
Light Source	Deep UV LED Long life, self monitoring
Data Logger	Lifetime measurement storage. Secondary removable storage.
Dimensions	Probe: Diameter 39mm Height 140mm + path length Control Unit: 262x128x91mm
Display	800 x 480 pixel 7in Capacitive Touch TFT colour LCD
Operating Conditions	10 to 45 °C, max 80% relative humidity (non-condensing)
Storage Conditions	-25 to 60 °C, max 80% relative humidity (non-condensing)
Enclosure Rating	Probe IP68, Control Unit IP65
Interfaces	4-20mA, USB, RS-485, Optional Ethernet
Warranty	2 years



Measurement of COD with probe



Flowcell



Touch Screen IP65 Monitor