

## Optimise the efficiency of your Wastewater Treatment Plant using UV254 measurement.

Whether it is BOD/COD measurement for aeration management, chemical dosing or monitoring your UV disinfection performance, UV254 measurement will provide you with a fast, responsive and cost efficient means of optimising your process.

### UV-254 Probe

Small footprint probe with 39mm diameter. The probe can be configured with either a 2mm, 5mm, 20mm or 50mm path length depending upon the water quality and measurement requirements.

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

The stainless steel housing for the probe and flow cell are suited to use in dirty water. The flow cell has a special cleaning port for use with a jet wash system.

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

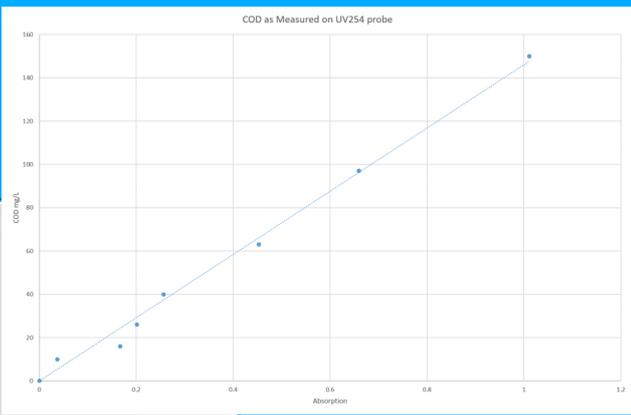
### Advanced Optics and Electronics

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.

<b>Measurements</b>	UVA, UVT and SUVA Surrogate measurements TOC, BOD, COD and others
<b>Range</b>	0-100% UVT 0-2.5 ABS
<b>Accuracy</b>	±0.5% UVT
<b>Repeatability</b>	±0.05% UVT
<b>Path Length</b>	2, 5, 20 or 50mm
<b>Sampling Time</b>	10 Second
<b>Material</b>	Stainless Steel
<b>Wavelength</b>	254nm LED and narrow filter photodiode
<b>Light Source</b>	Deep UV LED Long life, self monitoring
<b>Data Logger</b>	Lifetime measurement storage. Secondary removable storage.
<b>Dimensions</b>	Probe: 39mm diameter Height 150mm + path length Control Unit: 262x128x91mm
<b>Display</b>	800 x 480 pixel 7in Capacitive Touch TFT colour LCD
<b>Operating Conditions</b>	10 to 45 °C, max 80% relative humidity (non-condensing)
<b>Storage Conditions</b>	-25 to 60 °C, max 80% relative humidity (non-condensing)
<b>Enclosure Rating</b>	Probe IP68, Control Unit IP65
<b>Interfaces</b>	4-20mA, USB, RS-485, Optional Ethernet
<b>Warranty</b>	2 years
<b>Cleaning System</b>	Jet wash



Measurement of COD with probe



Flowcell



Touch Screen IP65 Monitor