

With Photonic Measurements UV254 probe take control of Natural Organic Materials (NOMs) in your process water with surrogate measurements of TOC, BOD and COD without the need of expensive reagents. Measuring UVA, UVT and SUVA\* for responsive detection of aromatic organic material allows you to act on disinfection by-products such as Trihalomethanes (THM).

## UV-254 Probe

39mm diameter small footprint probe with a selection of optical path lengths to match the sensitivity requirements of your application.

Self monitoring and fouling compensation enables long times between service.

Choose either plastic, aluminium or stainless steel housing for the probe and flow cell.

## Advanced Optics and Electronics

Long life Pulsed UV LEDs for extended service life. High resolution signal process means you never miss a photon of light.

Low power consumption with the probe able to run on battery without needing to be connected to a control unit.

Investigate upsets and trends with internal data storage that records every measurement

## Modern Control Unit

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

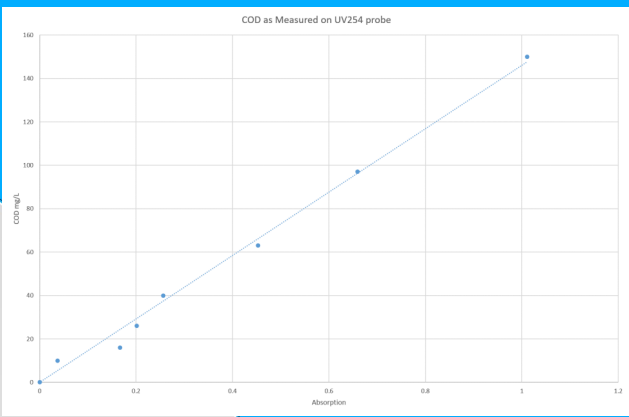
Perform calibrations easily, save data and export results via SD card.

4-20mA output to relay data back to control room/ SCADA system

\*Measurements of SUVA requires periodically update the probe with the current dissolved organic carbon from the water.

Contact Photonic Measurements for procedure.

<b>Measurements</b>	UVA, UVT and SUVA Surrogate measurements TOC, BOD, COD and others
<b>Range</b>	0-100% UVT 0-3 ABS
<b>Accuracy</b>	±0.5% UVT
<b>Repeatability</b>	±0.05% UVT
<b>Path Length</b>	20-50mm
<b>Sampling Time</b>	10 Second
<b>Material</b>	Plastic, Aluminium or Stainless Steel
<b>Wavelength</b>	254nm LED and Narrow 254nm filter photodiode
<b>Light Source</b>	Depth UV LED, Pulsed for long life
<b>Data Logger</b>	Probe has life time measurement storage. Additional storage for multiple on the control unit
<b>Dimensions</b>	Probe: 39mm dia 160mm height Control Unit: 275x195x55mm
<b>Display</b>	160×128 sunlight readable graphics display high resolution resistive touchscreen
<b>Operating Conditions</b>	10 to 45 °C, max 80% relative hu- midity (non-condensing)
<b>Storage Conditions</b>	-25 to 60 °C, max 80% relative hu- midity (non-condensing)
<b>Enclosure Rating</b>	Probe IP67, Control Unit IP65
<b>Interfaces</b>	4-20mA, USB, RS-485, Ethernet op- tional
<b>Warranty</b>	2 years
<b>Optional second wavelength</b>	For example 395 for colour meas- urement



Measurement of COD with probe



Stainless Steel Flowcell



Touch IP65 Monitor

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