



With the Photonic Measurements UV254 Dip Probe measure Natural Organic Materials (NOMs) at the remote locations and open water with a full colour portable IP65 display unit. The portable dip probe is submerge into water to perform 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 Dip Probe

Dip probe comes with a light shield to remove negative effects of ambient light on the measurement. The probe can be configured on order to have either a 20 or 50mm path length to suit your application needs.

The dip probe can be submerged by hand for portable measurements at different location. Left fixed in an open channel for continuous measurement or a float for example on a river.

The dip probe can be requested in different materials for example aluminium.

## Modern Control Unit

Full colour touch screen display with simple icon driven menu system. Allows for measurements to be taking quickly, while every measurement is stored on the analyser.

## Data Review

Review the last thousand measurements on the analysers and view trend data over time for each parameter. Every measurement is stored in .csv format and can be exported to external device.

\*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>	Display Unit has life time measurement storage. Additional storage for multiple on the control unit

<b>Dimensions</b>	DIP Probe: 95mm dia 160mm height Display Unit: 130x150x67mm
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<b>Display</b>	4in 800 x 480pixel Capacitive Touch TFT colour LCD
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<b>Operating Conditions</b>	10 to 45 °C, max 80% relative humidity (non-condensing)
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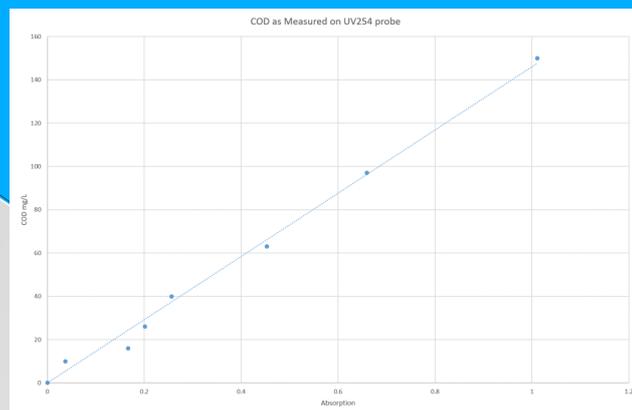
<b>Storage Conditions</b>	-25 to 60 °C, max 80% relative humidity (non-condensing)
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<b>Enclosure Rating</b>	Display Unit IP65
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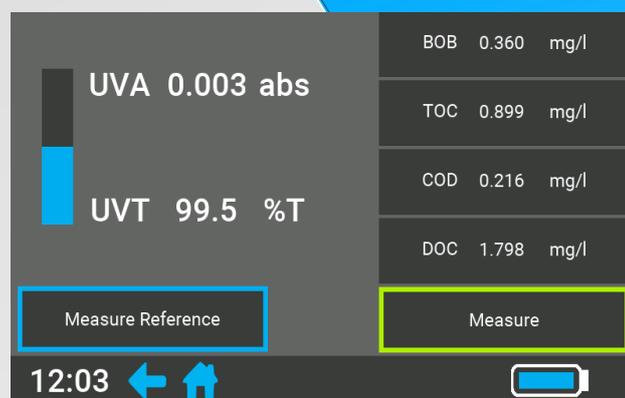
<b>Interfaces</b>	USB, Optional Output on request
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<b>Warranty</b>	2 years
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<b>Optional second wavelength</b>	For example 395 for colour measurement
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Measurement of COD with probe



Measurement screen

	Date	Time	Parameter	Value	Units
  Parameter All	15 Feb 18	09:30	UVA	0.126	ABS
	15 Feb 18	09:32	UVA	0.051	ABS
	15 Feb 18	10:11	UVA	0.075	ABS
	15 Feb 18	10:16	UVA	0.056	ABS
	15 Feb 18	10:18	UVA	0.053	ABS
	15 Feb 18	10:32	UVA	0.092	ABS
	15 Feb 18	10:35	UVA	0.079	ABS
	15 Feb 18	10:37	UVA	0.082	ABS
	15 Feb 18	10:38	UVA	0.076	ABS

Data review screen

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