



Measure Natural Organic Materials in open water.

The portable dip probe can be submerged in to 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

The dip probe can be submerged by hand for portable measurements at various locations, suspended from a float (e.g. on a river) or left fixed in an open channel for continuous measurement.

The dip probe comes with a light shield to combat interference from ambient light and has air release vents to ensure that the probe always measures in water.

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

The dip probe is available in a range of different materials (Food Safe Plastic, Aluminium & Stainless Steel).

Modern User Interface

The modern interface offers an icon-driven, colour touch screen interface, ensuring that taking measurements is as simple and quick as possible.

Data Review

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

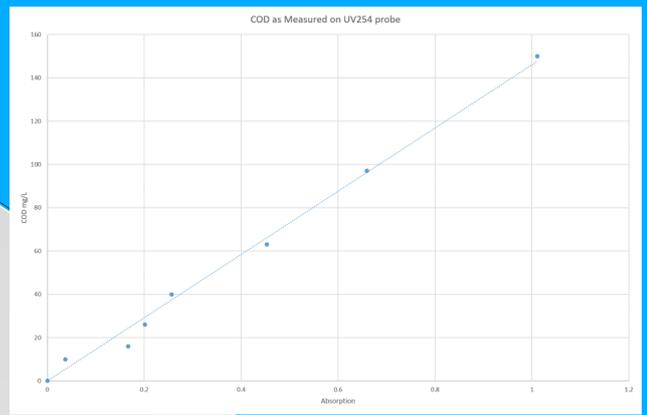
Advanced Optics and Electronics

Long life pulsed UV LEDs ensure an extended service life and have none of the longer warm up times 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
Measurement Time	10 Seconds
Power	Internal Lithium Polymer Battery USB Charger
Wavelength	254nm LED and narrow filter photodiode
Light Source	Deep UV LED Long life, self monitoring
Data Logger	Lifetime measurement storage.
Dimensions	DIP Probe: 95mm (d) 160mm (h) Display Unit: 140x160x77mm
Display	800 x 480 pixel 4in Capacitive Touch TFT colour LCD
Operating Conditions	10 to 45 °C, max 80% relative humidity (non-condensing)
Storage Conditions	-20 to 60 °C, max 80% relative humidity (non-condensing)
Enclosure Rating	Display Unit IP65
Probe Material	Plastic (food safe), Aluminium or Stainless Steel
Probe Rating	IP68
Interfaces	USB, Other options upon request
Warranty	2 years
Accessory Options	Hard Case, Cable Extender



Measurement of COD with probe

UVA 0.003 abs
UVT 99.5 %T

- BOD 0.360 mg/l
- TOC 0.899 mg/l
- COD 0.216 mg/l
- DOC 1.798 mg/l

Measure Reference Measure

12:03

Measurement screen

	Date	Time	Parameter	Value	Units
	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
Parameter	15 Feb 18	10:35	UVA	0.079	ABS
All	15 Feb 18	10:37	UVA	0.082	ABS
	15 Feb 18	10:38	UVA	0.076	ABS

12:03

Data review screen