



Measures Natural Organic Materials in open water

The portable Dip Probe can be submerged in to water to perform surrogate measurements*, 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.

Applications

Drinking Water and Wastewater:

- Distribution system contamination
- Source water monitoring /protection
- UV Disinfection
- Reverse Osmosis
- DBP formation potential

Industrial:

- Food and Beverage
- Dairy
- Commercial Aquaculture
- Other industrial markets

Environmental Monitoring:

- River monitoring
- Groundwater monitoring
- Pollution control

Benefits

No consumables—no hidden costs:

- Real-time indication of BOD, COD, TOC and DOC surrogates
- Long life LEDs

Anybody can use:

- Intuitive, modern, easy to use interface
- Measurements obtained within seconds

Data integrity— No transcription errors:

- Date and time stamped results
- Easy transfer of excel compatible data via USB
- Results can be saved for 10 years

Use anywhere:

- Internal battery and charging options
- Lightweight and portable device
- Range of measurement options
- Use in open water with light shield

Language options include: English, Spanish, Czech, Polish, Slovak, Chinese, Korean and Thai

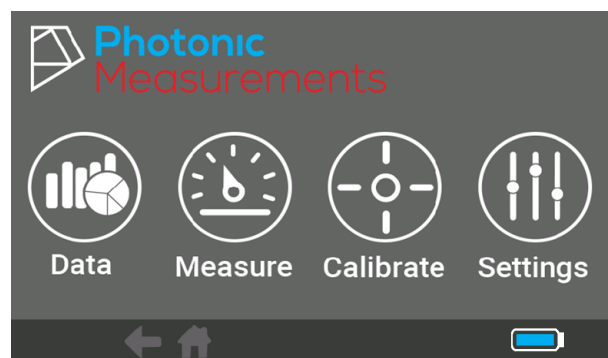
www.photonicmeasurements.com

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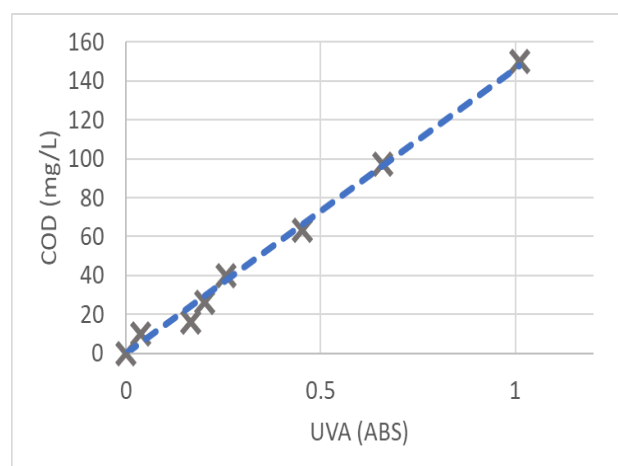
* Measurement of surrogates requires routine calibration to standard procedures, as the water matrix chemistry may change with time.

**Measurement of SUVA requires the probe to be periodically updated with the current dissolved organic carbon from the water.

Specification	
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	2, 5, 20 or 50mm
Sampling Time	10 Seconds
Probe Material	Stainless Steel, Titanium, Aluminium
Wavelength	254nm
Light Source	Deep UV LED Long life, self monitoring
Dimensions	Probe: 39mm diameter Height 150mm + path length
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	Probe IP68
Interfaces	USB file transfer to PC
Warranty	2 years
Power	Lipo internal battery USB charging
Conformity EMC	EN61 326
Conformity Safety	EN61010
Cable Length	Standard 10m
Display	800x480px 4in colour touchscreen Capacitive Touch, TFT colour LCD
Data Logger	Lifetime measurement storage
Accessories	Hard case, sample container, power bank



Menu Screen



Measurement of COD with probe

File Date	Sample	Time	Parameter	Value	Units
07Mar00	Sample0	05:11:50	UVT	95.19999694	
	Sample1	05:12:00	UVT	91.30000305	%
	Sample2	05:12:10	UVT	92.51000213	%
	Sample3	05:12:20	UVT	94.45999908	%
	Sample4	05:12:30	UVT	95.43000003	%
	Sample5	05:12:40	UVT	96.01000213	%
	Sample6	05:12:50	UVT	97.20999908	%
	Sample7	05:13:00	UVT	96.01000213	%
	Sample8	05:13:10	UVT	97.01000213	%

Data review screen