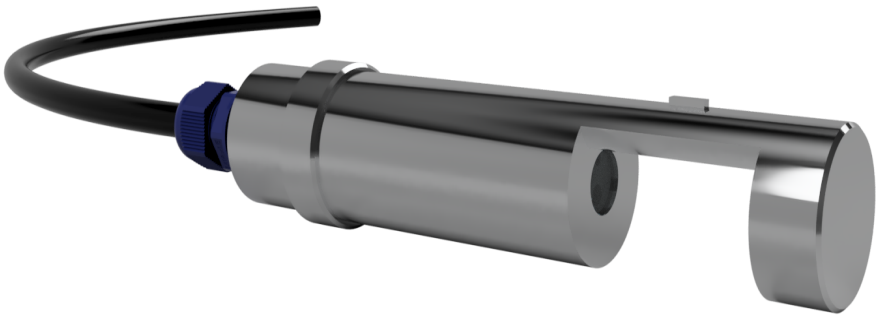
Photonic Measurements

UV254 Probe



Measurement of natural organic material (NOMs)

UV254 measurement provides you with a fast, responsive and cost efficient means of managing your process. UV254 aids measurement of aeration management, chemical dosing or monitoring your UV disinfection performance.

Applications

Drinking Water and Wastewater:

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

Industrial:

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

Benefits

No consumables—no hidden costs:

- Real-time indication of BOD, COD, TOC and DOC surrogates*
- Measurements every 10 seconds
- Titanium, stainless steel and aluminium options

Low operating costs:

- No moving parts– minimal maintenance
- Low energy consumption
- Long life LEDs

Easy installation and placement:

- Complete system available
- Modbus Interface for third party controllers
- Automated calibrations saved on the probe

www.photonicmeasurements.com

Issue Date: October 2019

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

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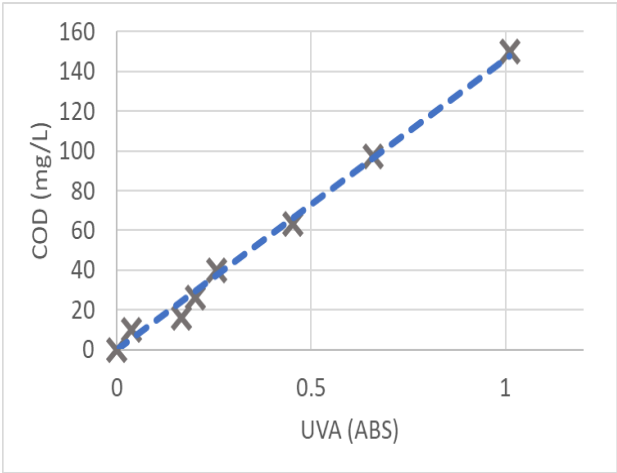
Specification	
Measurements	UVA, UVT and SUVA** Surrogate measurements TOC, BOD, COD and others
Range	0-100% UVT 0-2.5 ABS
Accuracy	±0.5% UVT
Repeatability	±0.05% UVT
Path Length	2, 5, 20 or 50mm
Sampling Time	10 Seconds
Material	Stainless Steel, Aluminium, Titanium
Wavelength	254nm
Light Source	Deep UV LED Long life, self monitoring
Dimensions	Probe: 39mm diameter Height 150mm + path length
Operating Conditions	10 to 45℃, max 80% relative humidity (non-condensing)
Storage Conditions	-20 to 60℃, max 80% relative humidity (non-condensing)
Enclosure Rating	Probe IP68
Interfaces	RS485, MODBUS
Warranty	2 years
Cleaning System	Spray wash (Optional)
Conformity Safety	EN61010
Conformity EMC	EN61 326
Cable Length	Standard 10m (longer available)
Supply Voltage	12VDC

Flow cell



Measurement of COD with probe

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