

## 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:

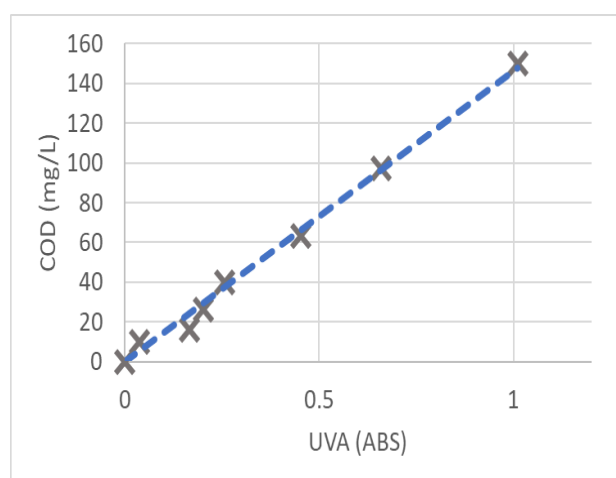
- Complete system available
- Modbus Interface for third party controllers
- Automated calibrations saved on the probe

## 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°C, max 80% relative humidity (non-condensing)
Storage Conditions	-20 to 60°C, 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



Photonic Measurements  
3 Crescent Business Park  
Lisburn , BT28 2GN

Web: [www.photonicmeasurements.com](http://www.photonicmeasurements.com)  
Email: [info@photonicmeasurements.com](mailto:info@photonicmeasurements.com)  
[sales@photonicmeasurements.com](mailto:sales@photonicmeasurements.com)

(ES) Equipements Scientifiques SA - Département Bio-Tests & Industries - 127 rue de Buzenval BP 26 - 92380 Garches  
Tél. 01 47 95 99 90 - Fax. 01 47 01 16 22 - e-mail: [bio@es-france.com](mailto:bio@es-france.com) - Site Web: [www.es-france.com](http://www.es-france.com)