

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

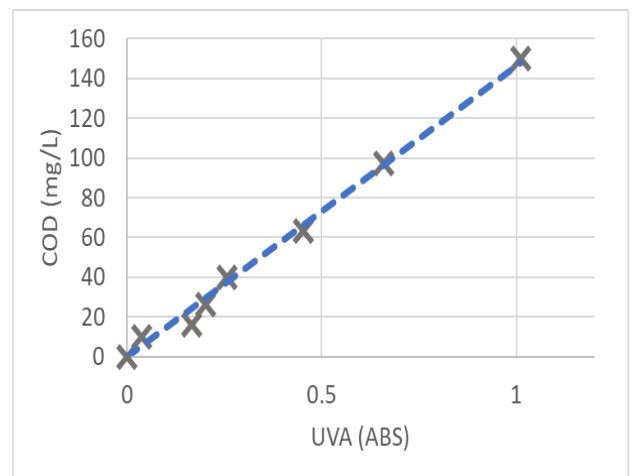
**Designed for immersion in water with a light shield,
which can be used with automated cleaning**

Specification

Measurements	UVA, UVT and SUVA** Surrogate measurements : TSS, 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



Light shield with cleaning port



Measurement of COD with probe

