

# > UV PROBE

## for COD BOD TOC equivalent measurement

Tethys UV probe provides a simple way to measure organic matter for surface water or industrial/municipal waste water. It must be calibrated for each application to give a COD or BOD or TOC equivalent measurement depending on the sample composition. It is based on a new light source technology offering a compact and cost effective solution with a long lifetime.

### specifications

Measuring range	With 3 mm path: 0 - 600 Abs/m (equivalent to 0-5000 mg/l COD on rough municipal waste water) With 10 mm path: 0 - 200 Abs/m (equivalent to 0-100 mg/l COD on surface water)
Optical path	3 mm or 10 mm
Measurement technique	UV light absorbance
Accuracy	+/- 2% on standard solution
Response time	10 sec
Turbidity compensation	Integrated by dual-beam method
Light source life time	> 5 years
Mounting	Immersion
Probe cleaning system	Air cleaning option available
Cable length	10 meters
Sensor protection	IP68
Temperature range	-20°C to 70°C
Body material	Stainless steel 316L
Wet materials	PTFE, quartz, FKM (Viton), PU, Brass Nickel Plated, Neoprene
Probe warranty	1 year



**UV200-H** UV probe with 3 mm optical path  
Range: 0-600 Abs/m (0-5000 mg/l COD on rough municipal waste water)  
10 meters cable

**UV200-L** UV probe with 10 mm optical path  
Range: 0-200 Abs/m (0-100 mg/l COD on surface water)  
10 meters cable