

# SAC 8000

## SAC Probe



SAC immersion probe IP 68 with turbidity correction. Measured values can be correlated with COD, BOD or TOC.



Measuring method	UV absorption 254 nm
Measuring ranges	0~150 m <sup>-1</sup> to 0~1500 m <sup>-1</sup>
Accuracy	± 0.2 %
Response time	4 s
Operating pressure	0~3 bar
Sample temperature	2~40 °C
Plug	Open cable or SB plug
Housing	Stainless steel V4A
Dimensions	300 mm × 48 mm
Weight	1.6 kg

**Product code 748 950**

- Cheap measurement of COD, BOD, TOC
- Minimum maintenance
- Short response time
- No reagents required
- Sturdy design

## Method

Water and wastewater can contain a multitude of organic compounds. Many of them absorb UV light. The SAC makes use of this property. The SAC 8000 sends UV light through the sample and detects, how much of it gets absorbed. The higher the amount of UV active compounds in the sample, the weaker the light which reaches the detector.

The ranges of substances which are detected by SAC, COD, BOD and TOC overlap to a major extent. Therefore the other sum parameters can be obtained from the SAC, once the conversion factors have been determined.

The measuring windows carry an anti-fouling coating.

## Applications

Drinking water

Surface water

Wastewater treatment plants