

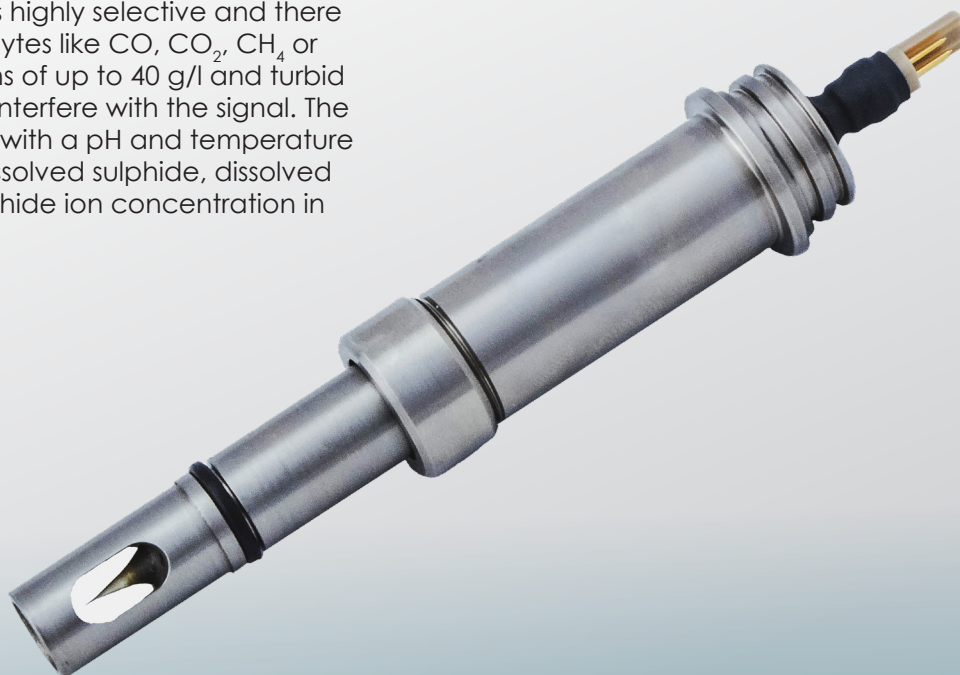
H₂S sensor | AMT

max. depth 100 m.



Sea & Sun
Technology

The amperometric H₂S micro-sensor measures the dissolved H₂S partial pressure in water. Its micro sized glass tip is membrane covered and only permeable for H₂S gas. The sensor works highly selective and there are no interferences to analytes like CO, CO₂, CH₄ or NH₃. Both salt concentrations of up to 40 g/l and turbid or colored solutions do not interfere with the signal. The sensor has to be combined with a pH and temperature sensor to derive the total dissolved sulphide, dissolved hydrogen sulphide and sulphide ion concentration in the sample.



H ₂ S sensor/ AMT	
Pressure resistance	100 dbar
Measuring range	Type I (0,05...10 mg/l H ₂ S) Type II (0,5... 50 mg/l H ₂ S) Type III (0,01...3 mg/l H ₂ S)
Accuracy	2% of measuring value
Temperature range	0°C ... 30°C for storage and measurement
pH range	0...8.5
Response time	< 1 s
Life time	5-9 month (depends on H ₂ S stress and on sample)
Principle	amperometry, membrane covered sensor
Material	Titanium, sensitive tip: glas
Used for	CTD48, CTD48M, CTD48c, CTD48Mc, CTD75M, CTD90, CTD90M, CTD115M



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