

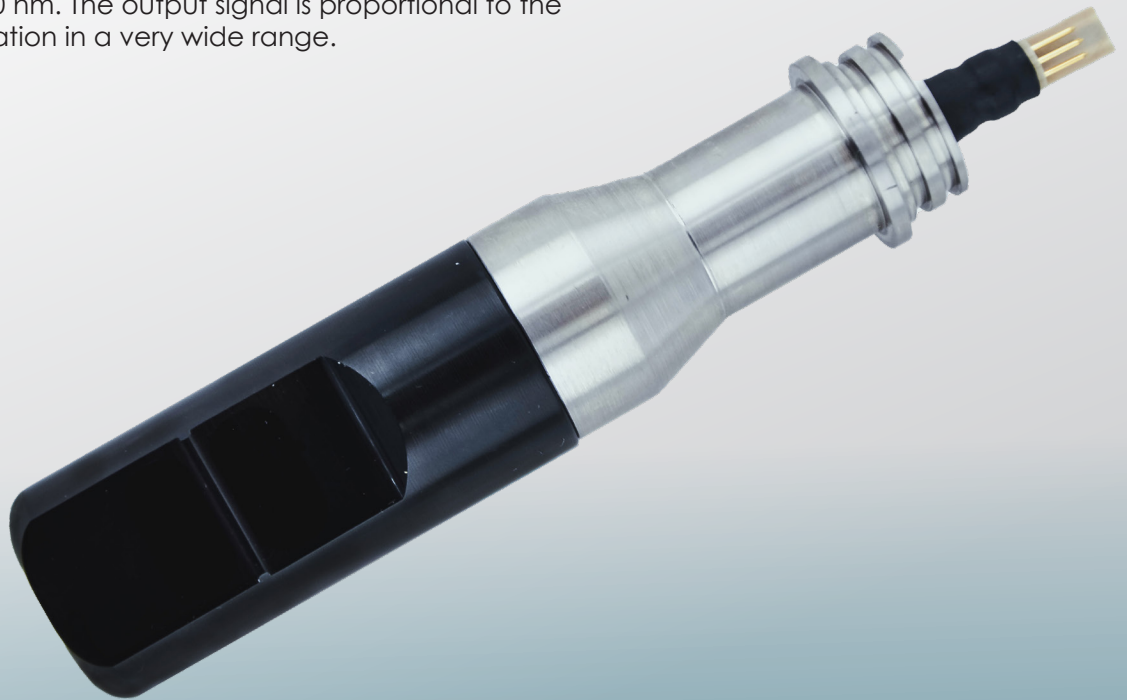
Turbidity sensor | Seapoint

max. depth 6,000 m.



Sea & Sun
Technology

The Turbidity sensor measures the concentration of suspended matter. It is equipped with a pulsed infrared light transmitter and detects the scattered light from the particles suspended in water. Transmitter and detector arrangement uses 90° scattering at a wavelength of 880 nm. The output signal is proportional to the particle concentration in a very wide range.



Turbidity sensor / Seapoint

Pressure resistance	6,000 dbar
Ranges	0-25, 0-125, 0-500, 0-4000* FTU
Linearity	< 2% deviation 0-1250 FTU, < 5% deviation 0-1600 FTU
Resolution	0,1 FTU / NTU
Response time	100 ms
Principle	90° scattering
Scattering angle	mean: 90° (range 15...150°)
Material	Rigid polyurethane
Dimensions	110 mm long, 25 mm Ø
Used for	CTD48, CTD48M, CTD48c, CTD75M, CTD90M, CTD115M

*output is non-linear above 1250 FTU



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