

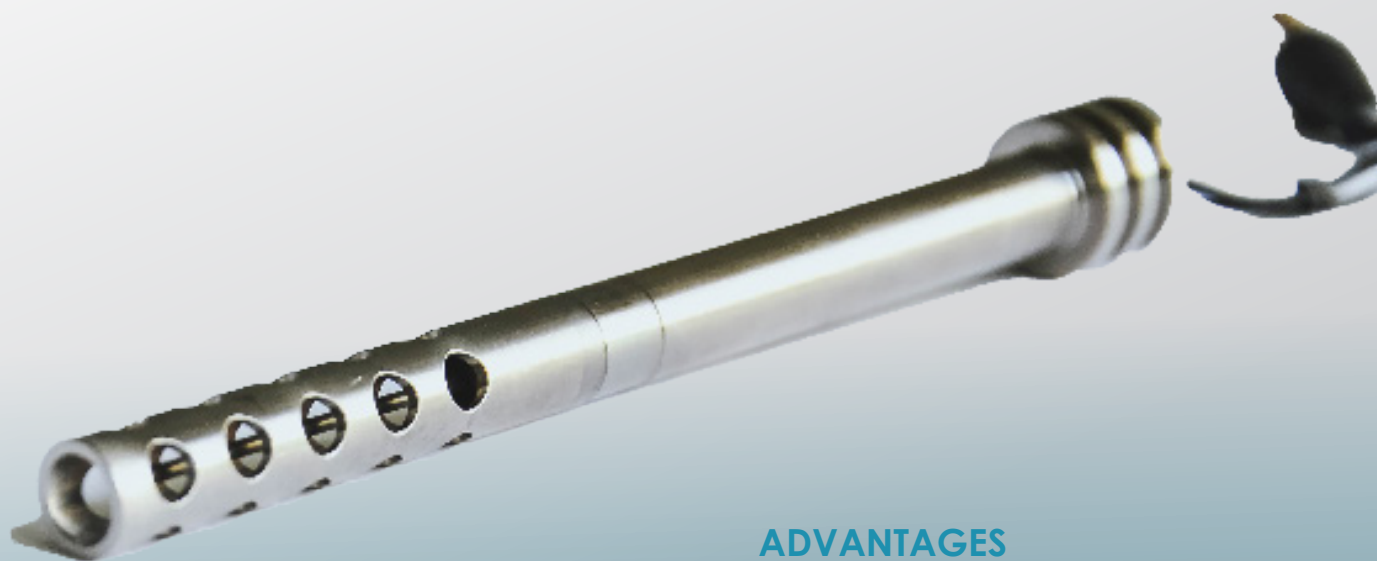
# Temperature sensor / SST PT100

max. depth 12,000 m.



Sea & Sun  
Technology

The temperature sensor is a Pt100 platinum resistor in a tiny ceramic carrier. It is mounted in a slender titanium tube. This delicate tip can withstand a pressure of 1,200 bar, but is extremely sensitive to shock and bending. Therefore, the tip is surrounded by a perforated titanium shield tube, which is mounted on the standard flange. The platinum resistor is connected in 4-wire technique.



## ADVANTAGES

- + integrable into all CTD probes
- + max. depth 12,000 m

### Temperature sensor / SST PT100

Pressure resistance	12,000 dbar
Measuring range	-2... 36°C (optional -2... 60°C)
Accuracy	± 0.002°C (optional range ± 0.005°C)
Repeatability	< 0.001°C
Response time	150 ms
Principle	Pt 100
Material	Titanium
Used for	all CTD probes



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