

Pressure sensor

max. depth 12,000 m.



Sea & Sun
Technology

A piezo-resistive full bridge in OEM version with a diameter of 15 mm and a total height of 6 mm is used as pressure transducer. The casing and diaphragm are made of Hastelloy. The transducer is delivered with a small SMD-PCB and includes a temperature compensation of the pressure measurement. The sensor is mounted in the base of the probe.



Pressure sensor	
Pressure resistance	50; 100; 200; 500; 1,000; 2,000; 4,000; 6,000; 12,000 dbar
Principle	Piezoresistive
Bursting pressure	150% FS
Repeatability	0.05% FS
Precision	0.05% at temperatures between -5°C...35°C
Hysteresis	0.05 % FS
Dimensions	15 mm Ø, 6 mm height
Material (membran)	Hastelloy C-276
Used for	all probes



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