

Product Datasheet

SubProx™ - Subsea Analog & Digital Proximity Sensor

Highly Robust – Suited for Long-term Seawater Duty

- Integrated electronics, no need for transmitters or external processing cards
- NORSOK M-001 compliant: Immune to corrosion in seawater
- Ceramic sensing element with All-metal sensor hardware (Inconel 625/Hastelloy C22)
- Sensor element rated to 500 bar. Sensor housing rated to 350 bar (higher on request)
- All-metal termination with Bendable Mineral Insulated (MI) Inconel cable
- Qualified to API 17F subsea standard, including rigorous shock, temperature and vibration tests
- Suitable for >25 years permanently submerged in seawater or other corrosive fluid



Applications

- Rotating machinery condition monitoring
- Shaft speed measurements
- Shaft axial or radial force direction measurement
- Object position: Open/Closed
- Object activation: On/Off
- Structure integrity monitoring
- Subsea XT monitoring
- Subsea BOP monitoring
- Cathodic Protection monitoring

Technical Data:

Input voltage	24 (15-30) VDC	Sensing range	0-2mm
Insulation voltage	75 VDC	Pressure rating	350 bar / 500 bar
Output voltage (Analogue)	0-10 V	Temp. Rating	80°C
Output voltage (Digital)	24 VDC	Approval	API 17F (Q1 & Q2)

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We supply the most sustainable, robust and autonomous subsea pump systems for the global oil & gas, renewables, and green infrastructure markets.



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