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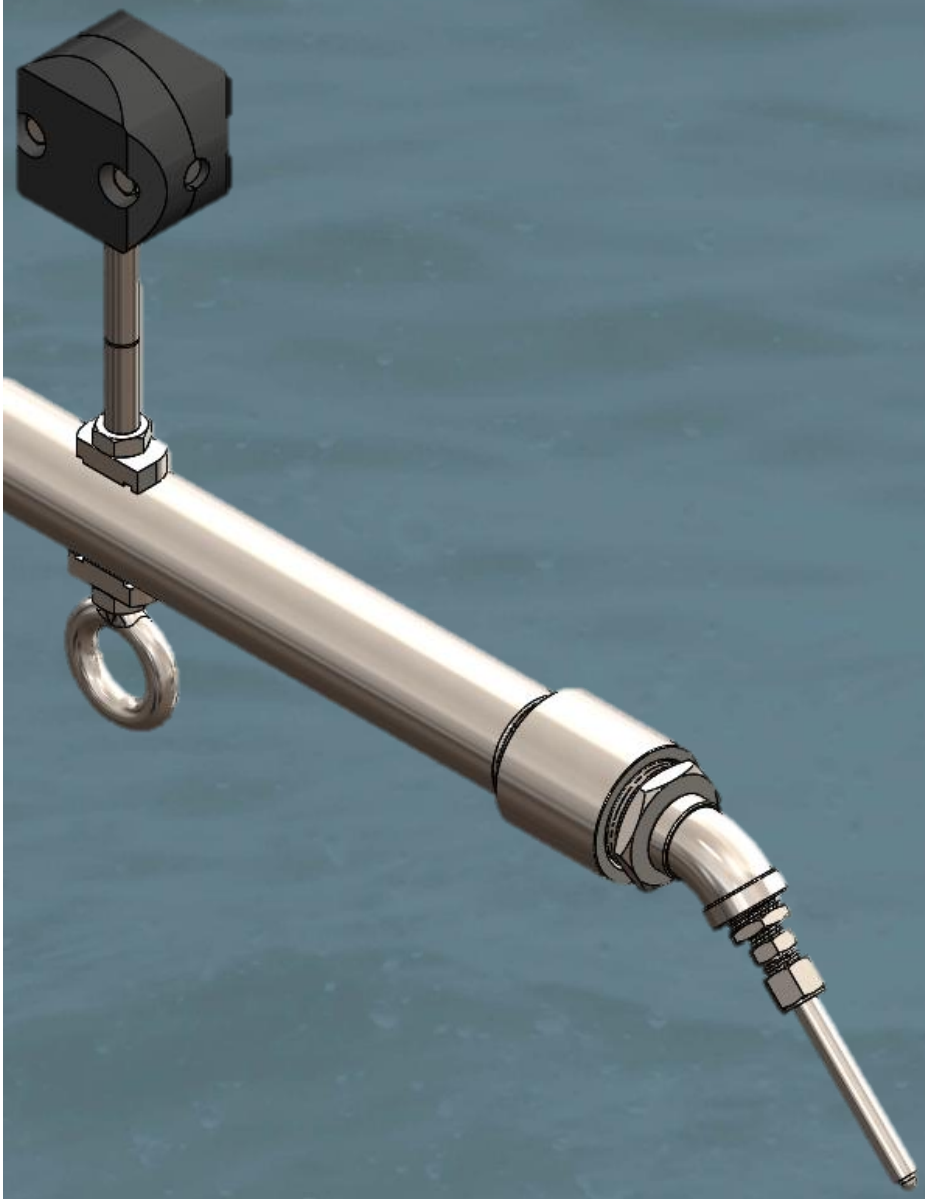

High Temp Probe

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SUBMERSIBLE FACILITY

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Summary

The High Temperature Probe is a precision subsea measurement tool designed for real-time, in-situ thermal monitoring in extreme environments. Mounted on an ROV and deployable via manipulator, the probe allows operators to accurately position the sensing tip within complex or high-temperature areas such as hydrothermal vents or industrial subsea systems.

The system provides continuous live temperature feedback to the surface while simultaneously logging data over time through an integrated software interface. This enables operators to observe thermal gradients, track temporal changes, and automatically capture peak temperature values during operations.

With support for up to four probes operating simultaneously, the system offers flexible multi-point measurement capability, enhancing spatial awareness and data collection efficiency during subsea missions.

Key Features

- Real-time temperature measurement
- Manipulator-deployable probe
- PT-1000, 4-wire sensor
- Up to 500°C range
- Live data logging & graphing
- Automatic max temperature capture
- Resettable measurement window
- Supports up to 4 probes
- 6,000 m depth rated
- Rugged subsea construction

Specifications

General	
Sensor	PT-1000, 4 Wire
Measurement Range	-10°C to 500°C
Measurement Accuracy	<±1°C
Extendable Range	Titan-4 Manipulator Range (see below)
Environmental	
Depth Rating	6,000 m
Mechanical	
Housing	Stainless Steel
Needle Construction	Titanium
Connector	Subconn MCBH4M
Weight in Air	7.53 lbs (3.42 kg)
Weight in Water	6.16 lbs (2.79 kg)