SENSORS FOR OIL AND GAS APPLICATIONS

We design and manufacture a complete line of pressure, load/force, temperature, torque and displacement sensors for subsea, offshore and onshore test, measurement and control applications. Our engineering expertise, proven designs, field experience and manufacturing capabilities provide customers with high reliability sensor application solutions with both existing products and modified and/or custom-engineered products. From sensors for AUV and ROV applications to tension-link monitoring systems to enhanced oil recovery systems, our sensors provide added value for our customers.

SUBSEA SOLUTIONS

SENSORS FOR OIL AND GAS APPLICATIONS

• Increased Oil Recovery Systems
• Subsea Separation and Re-Injection Systems
• Instrumented Safety Systems
• AUV/ROV Position, Pressure, Force and Torque Measurements
• HP/HT Tree and Wellhead Monitoring and Control
• Underbalance Drilling Measurement and Controls
• MWD and LWD Pressure Measurements
• Well Intervention and Well Stimulation Systems
• Nitrogen Generation Skids
• Marine Loading Systems

• Pipeline Asset Integrity Monitoring and Control
• Oceanographic Mapping and Towing Arrays
• Subsea Manifolds and Tie-Ins
• Subsea Separation, Boosting and Processing Systems
• Tension Link Force Monitoring
• Hazardous Environment Measurements
• Kill and Choke Manifold Monitoring
• Subsea Fluid Control Systems
PRESSURE SENSORS

- Pressure Ranges From 10 to 100,000 psi
- Absolute, Gage, Differential, Vacuum, Barometric
- All Welded Stainless Steel, Inconel/Hastelloy/Monel
- Accuracies to 0.05% of Full Scale Output
- Designs Submersible to 12,000 ft. Seawater
- ATEX/IECEx, CSA, ABS Certifications
- Analog and Digital Outputs (Including CANbus/Modbus)
- Custom Engineered Specials

TEMPERATURE TRANSDUCERS AND TRANSMITTERS

- Temperature Ranges from -320° F to +300° F
- Customer Specified Probe Lengths
- No Thermo Well Required
- All Welded Stainless Steel and Specialty Metals
- Dual Temperature and Pressure Configurations
- Designs Submersible to 12,000 ft. Seawater
- Analog and Digital Outputs (Including CANbus/Modbus)
- Intrinsically Safe Versions

LOAD CELLS, FORCE SENSORS, REACTION TORQUE SENSORS

- Load Ranges From 2 lbf to 2 million lbf
- Tension, Compression, Tension & Compression
- All Welded Stainless Steel and Specialty Metals
- Comprehensive Selection of Configurations and Sizes
- Designs Submersible to 12,000 ft. Seawater
- Analog and Digital Outputs (Including CANbus/Modbus)
- Application-Specific Special Designs
- ATEX/IECEx, CSA Certifications
- Proven Application Reliability
LVDT DISPLACEMENT SENSORS

- Stroke Ranges from ±0.5 in. to ±4 in.
- Free, Unguided Armature
- All Welded Stainless Steel
- AC and DC Versions
- 1% Linearity
- Submersible Designs Good to 7,500 ft. Depths
- Designed to Overcome Marine Growth Problems

INSTRUMENTATION

Our line of instrumentation includes in-line amplifiers and signal conditioners that can be embedded in your products or packaged for subsea applications.

LORD Corporation - Stellar Technology operates a Quality Management System which complies with the requirements of ISO 9001:2008 + AS9100C.

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LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. Our people work in collaboration with our customers to help them increase the value of their products. Innovative and responsive in an ever-changing marketplace, we are focused on providing solutions for our customers worldwide ... Ask Us How.

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