Sensing Solutions for Oil & Gas
OIL & GAS SOLUTIONS

SENSORS FOR UPSTREAM OIL AND GAS APPLICATIONS

We design and manufacture a comprehensive offering of test and measurement sensors for upstream oil and gas application solutions. Our pressure transducers, pressure transmitters, load cells, force sensors, torque sensors, temperature transducers, displacement transducers and signal conditioners, represent a depth and breadth of products unmatched in our industry. From off-the-shelf products to custom-engineered sensor solutions, our combination of knowledgeable sales personnel, engineering design expertise, and manufacturing capabilities, excels in providing maximum value for our customers – sensor application solutions vital for productivity, reliability and safety.

UPSTREAM OIL AND GAS APPLICATIONS

- Well intervention and well stimulation equipment
- Drilling rigs/workover rigs
- HP/HT tree and wellhead monitoring
- Coiled tubing injectors
- Underbalanced drilling measurement & controls
- Increased oil recovery systems
- Pump-Off-Control monitoring
- AUV/ROV measurement systems
- Mast weight and hook loads
- Gas custody transfer instrumentation
- Triplex and quinplex pumps
- Wireline/slickline tension for downhole tools
- Choke and kill manifold monitoring
- Gas panels and controls
- MWD/LWD tools
- Valve positioning
- Drilling mud systems
- Automated torque tongs/power tongs
- Tension link monitoring systems
- Nitrogen generation systems
- Decanting centrifuges
- Components and materials testing
- Marine loading equipment
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
- Intrinsically Safe and Explosion Proof to ATEX, IECEx and CSA
- Analog and Digital Outputs (J1939, CANopen, Modbus, RS232, RS485)
- Custom Engineered Specials
- Proven Field Reliability

TEMPERATURE TRANSDUCERS AND TRANSMITTERS

- Temperature Ranges From -320º F to +300º 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
- Intrinsically Safe and Explosion Proof to ATEX, IECEx and CSA
- Analog and Digital Outputs Including CANbus, J1939, CANopen, Modbus, RS232, RS485

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, J1939, CANopen, Modbus, RS232, RS485
- Application-Specific Special Designs
- Intrinsically Safe and Explosion Proof to ATEX, IECEx and CSA
- Proven Application Reliability
LVDT DISPLACEMENT SENSORS

- Stroke Ranges From ±0.02 in. to ±18.5 in.
- Free, Unguided Armature
- All Welded Stainless Steel
- AC and DC Versions
- Linearity to 0.25%
- Submersible Designs Good to 7,500 ft depths
- Designed to Overcome Marine Growth Problems

INSTRUMENTATION

Our line of instrumentation includes in-line amplifiers, DIN-rail mounted signal conditioners and digital readout displays in a variety of packaging options with a wealth of practical applications.

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

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