Industrial Automation Sensing Solutions
The modern industrial environment is sensor-centric—from the automated factory floor to sophisticated maintenance, repair and operations (MRO) equipment designed to support production. Our complete selection of pressure transducers/transmitters, load cells, force sensors, reaction torque transducers, temperature transmitters and LVDT displacement sensors are vital components in today’s industrial automation and control systems.

Accurate and reliable sensor feedback are key for our customers’ continuous efforts to improve quality, productivity, safety, customer service and competitive position. Our engineering expertise, proven sensor technology, field experience and manufacturing capabilities provide customers with highly reliable sensors for their diverse factory automation applications.

APPLICATIONS

- Industrial Robotics
- Conveyor Systems
- Hydraulic and Pneumatic Actuators
- Metal Stamping Presses
- People-Assist Handling Systems
- Overhead Conveyors
- Material Handling Mechanisms
- Signature Analysis Measurements
- Fastener Torque Monitoring
- Metering and Dispensing Systems
- In-line Inspection Stations
- Component Assembly and Testing
- Metrology Lab Testing and Validation
- Quality R and R Assessments
- Environmental Test Chambers
- Air Compressors
- Safety Monitoring Systems
- Heat Treating Systems
- Assembly Transfer Systems
- Machine Tools
PRESSURE SENSORS

• Pressure Ranges from 10 to 100,000 psi
• Absolute, Gage, Differential, Vacuum and Barometric
• High Frequency Response
• All-Welded Stainless Steel including 17-4, 15-5, Inconel, Monel and Hastelloy
• Analog* and Digital Outputs including RS232, RS485 and CANbus
• Internal Data Logger Versions
• Comprehensive Calibration Records are Standard
• Engineered-to-Order Custom Designs

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 Steel Construction
• Dual Temperature and Pressure Configurations
• Analog* and Digital Outputs including CANbus and Modbus
• Customer Specified Process Connections

LOAD CELLS, FORCE SENSORS AND REACTION TORQUE SENSORS

• Load Ranges from 2 to 2 Million lbf
• Tension, Compression and Tension & Compression
• Complete Selection of Standard and Special Configurations
• Constructed of Stainless Steel, Carbon Steel or Aluminum
• Miniature and Subminiature Versions
• Analog* and Digital Outputs including RS232, RS485 and CANbus
• Multiple Bridge Configurations
• Internal Data Logger Versions
• Comprehensive Calibration Records are Standard
• Engineered-to-Order Custom Designs

*Available with CSA, ATEX and IECEx approved intrinsically safe 4-20mA outputs for hazardous environment use
LVDT DISPLACEMENT SENSORS

- Stroke Ranges from ±0.01 in. to ±18.5 in.
- Linearities from 1% to 0.1%
- Spring Guided, Captive Guided and Free Unguided Armatures
- AC and DC Versions
- All-Welded Stainless Steel
- Precision Gaging Units with Air Push Armatures
- Submersible Designs

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.

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.

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