

LVDT POSITION SENSOR | Product Detail

LVDT DC Mobile / Industrial

Description

This LVDT sensor provides continuous position feedback for use in electrical-hydraulic closed loop systems. This sensor can also provide up to two digital outputs (position sensing) at predefined positions, such as to trigger an alarm or data reading. Various connectors can be supplied dependent on customer requirements.

- Wide range of input voltage
- Large range of output signals available
- Contactless design, wear-free and long service life
- Up to two position triggered alarm outputs available in conjunction with continuous position sensing

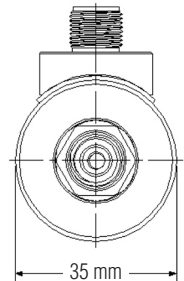
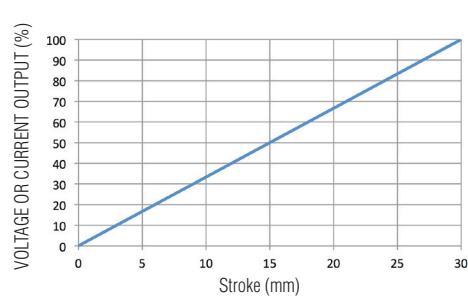
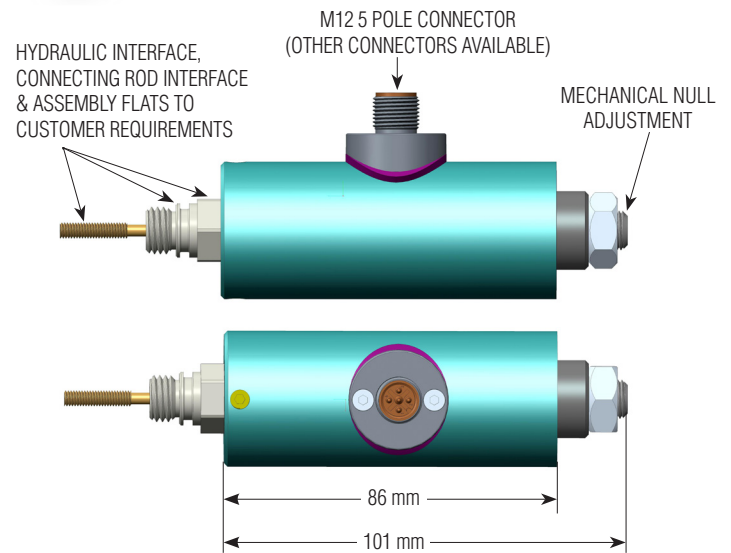
Applications

- Industrial Hydraulics
- Commercial Hydraulics
- Mobile Hydraulics
- Automotive Applications

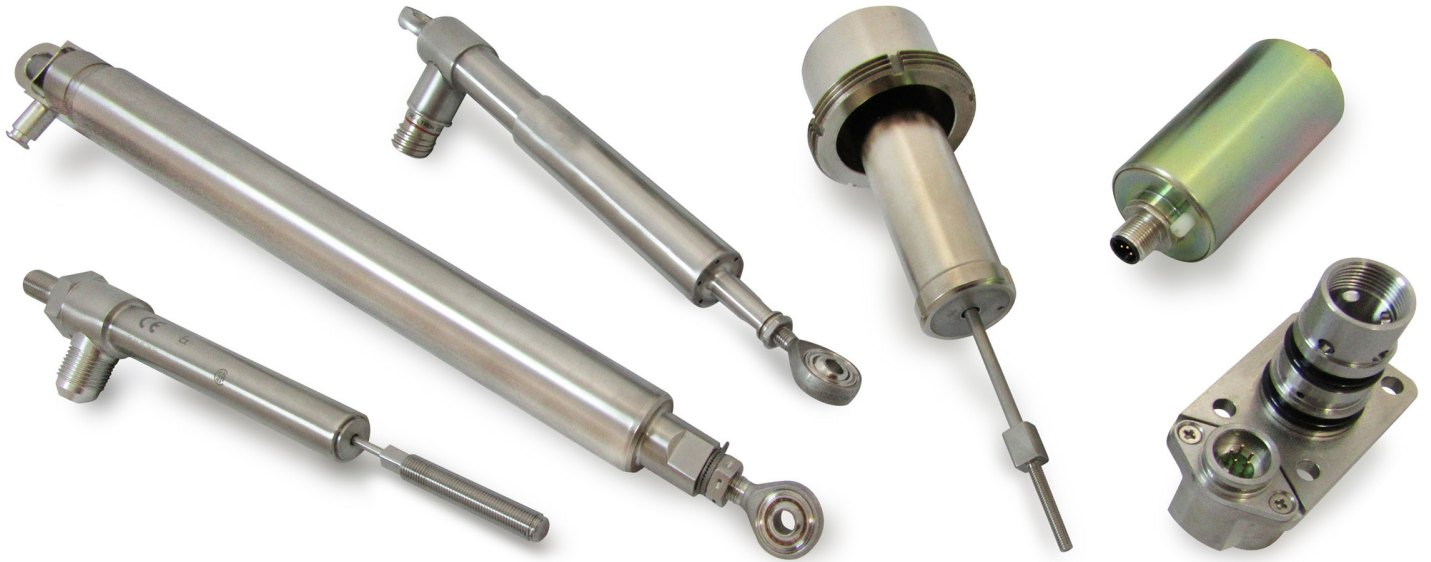


Specification	Value
Input Voltage	7 – 36VDC
Outputs Available Voltage	0 – 5 VDC 0 – 10VDC* ± 5VDC* ± 10VDC**
Current	0 – 20mA 4 – 20mA
Other Outputs	Position sensing (2 positions) (up to 500mA current available)
Sensing Stroke	Various (unit shown in picture: 30mm)
Linearity	± 0.5%
Null Position Offset	Mechanical & digital adjustments avail.
Temperature Range	-20°C up to +85°C
Duty Cycle	100%ED
Water Ingress Protection	Up to IP69 (dependent on connector)
Short Circuit Protection	500mA
Reverse Polarity Protection	Included
Pressure rating	350 bar static pressure

*Minimum 12VDC supply voltage required. **Minimum 22VDC supply voltage required.



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LISK custom LVDTs (Linear Variable Differential Transformer) are found in aerospace, heavy-duty engines, refineries and mining equipment, offering extremely reliable position feedback sensing. Features include: Strokes of .010" to 24" and beyond with accuracy better than 0.5% of full scale range. Single channel and multi-channel (up to 6 channels) LVDT designs. AC and DC inputs and outputs. Can accommodate high pressures and wide temperature extremes. Part count can be reduced by using customer interfaces and mountings to match any application.

LISK's engineering team has over 120 years of combined design experience to provide the most cost-effective solutions and meet our customer's most demanding requirements for every application.



About G.W. Lisk Company

LISK is a global leader in the design and manufacture of custom solenoids, solenoid valves, LVDTs, and flame arrestors, providing custom-engineered solutions to customers in diverse markets including military, aerospace, on-highway, off-highway, and medical. We provide custom-engineered products and solutions to help customers meet demanding operational and strict environmental requirements in the following areas:

- Application Solutions
- Hardware Engineering
- Mechanical Design & Development
- Rapid Prototyping
- Qualification Testing
- Industry Certifications
- Vertical Integration (Manufacturing)
- Serial Production



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