

POSITION SENSOR

LVDT DC MOBILE | PRODUCT DETAIL

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.

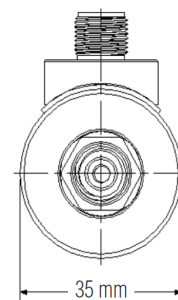
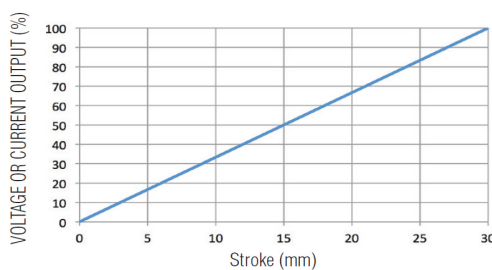
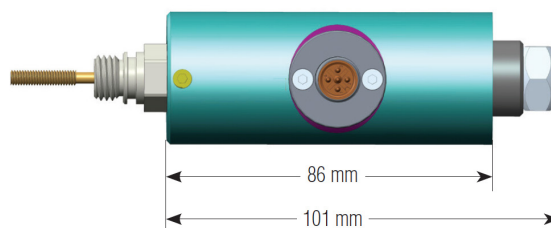
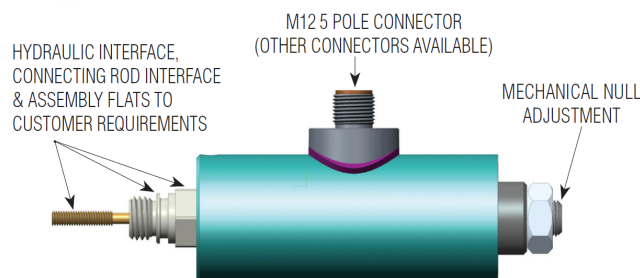
- Wide range of input voltage
- Large range of output signals available
- Contactless design, wear-free and long service life
- Up to two position triggered alarm outputs available in conjunction with continuous position sensing

Applications

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

Specification	Value
Input Voltage	7-36 VDC
Outputs Available	
Voltage	0 - 5 VDC 0-10VDC* ±5 VDC* ± 10 VDC**
Current	0 - 20 mA 4 - 20 mA
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	Various Working, >5.4mm Total
Pressure Rating	350 bar static pressure

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





Lisk engineered 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.



ABOUT US

We are a global leader in the design and manufacture of engineered solutions including solenoids, solenoid valves, linear and rotary position sensors, motors, electric actuators and flame arrestors. We serve hundreds of customers in diverse markets throughout the world with market-leading solutions enabled by our extensive design, test and manufacturing capabilities.

