

LVDT DISPLACEMENT SENSOR

Description

The LVDTs (Linear Variable Voltage Differential Transformers) are linear position sensors. They are used to measure displacement linear and the position over relatively long distances short. An LVDT consists of a tube that contains a free-moving shaft (also known as as a core). The base of the tube is mounted in a fixed position and the end of the rod is fixed to an object that moves in a linear fashion (forward and back) by changing your position.



Technical specifications

Sensor type	LVDT
Measuring range	25 mm
Linearity	+/- 0.25% FS
Resolution	0.01 μ m (maximum)
Repeatability	0.01% FS
Exit signal	4-20 mA 2-wire
Protection	IP65
Diet	15-28 Vdc
Operating temperature	-20.....+85 °C
Consumption	< 12 mA
Temperature coefficient (zero)	< 0.01%/°C
Temperature coefficient (sensitivity)	< 0.025%/°C
Diameter	20 mm
Material	AISI 304 stainless steel

Ordering Information

PRODUCT	DESCRIPTION CODE

For more information:

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