

LT180E-R16-3LI1-EX-D

Magnetically Actuated Linear Position Sensor – Analog

Technical data

Type	LT180E-R16-3LI1-EX-D
ID	LT0738
Measuring principle	Magnetostrictive
Measuring range	4572 mm
Resolution	0.025 % of full scale/0.014 in. (whichever value is greater)
Null zone	2 in.
Dead band	8 in.
Accuracy	0.1 % of full scale or 0.050 in
Repeatability	0.014 in + 0.05 % of full scale (typ.)
Operating voltage U_s	13.5...30 VDC
Output function	2-wire, Analog output
Current output	4...20 mA
Current consumption	loop-powered
Approvals	ATEX FM Div.1 FM Div.2
Dimensions	4826 mm
Flange Adapter	Without adapter
Housing material	Stainless steel, 1.4435 (AISI 316L)
Electrical connection	Connector, Dual 3/4 in. NPT
Ambient temperature	-20...+70 °C
Protection class	IP68
Pressure resistance	1015 psi

Features

13.5...30 VDC
Analog output, 20...4 mA
loop-powered

Functional principle

