

SPRING-LOADED LVDT'S, SL AND SL-D SERIES

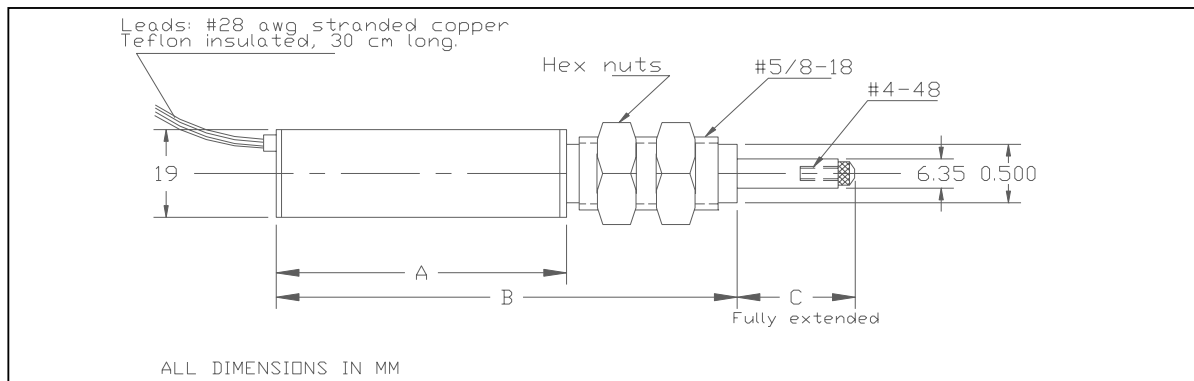
Those are spring-loaded LVDT's for gauging applications, in AC-in/AC-out version model SL and DC-in/DC-out version model SLD.

The spring loading mechanism is fully enclosed, and the housing is all stainless steel.

The sensors come in measuring ranges from +/-2.5mm to +/-25mm, featuring a typical non-linearity error of 0.25%FR and sub-micron resolution.

The plunger is guided by slide bearings and a non-rotation mechanism. The #4-48 threaded hole at the end of the plunger makes possible to change tips for different applications.

The LVDT's feature layer winding on metal bobbins, for better accuracy, stability and unit to unit uniformity.



Specifications:

SL models: 6 Vrms input nominal, 0 to 7 Vrms range

SLD models: +/-15 VDC/6mA, 13 to 16 VDC range

Temperature range: -30 to +70°C

Non-linearity error: 0.25%FR

Model	Range	A	B	C	Force over range (gr)	Output Impedance (Ω)		Resistance (Ω)		
						Zin	Zout	Rin	Rout (each)	
SL.1	+/-2.5	58	81	15	120-180	0.6	500	500	120	90
SL.2	+/-5	79	113	22	100-230	0.27	1000	800	145	87
SL.5	+/-12.5	132	186	38	140-280	0.21	700	900	125	74
SL1	+/-25	165	246	57	100-230	0.18	500	700	131	110
SL.1D	+/-2.5	80	105	15	120-180	2.0		<10		
SL.2D	+/-5	103	137	22	100-230	1.0		<10		
SL.5D	+/-12.5	156	210	38	140-280	0.4		<10		
SL1D	+/-25	190	271	57	100-230	0.2		<10		

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