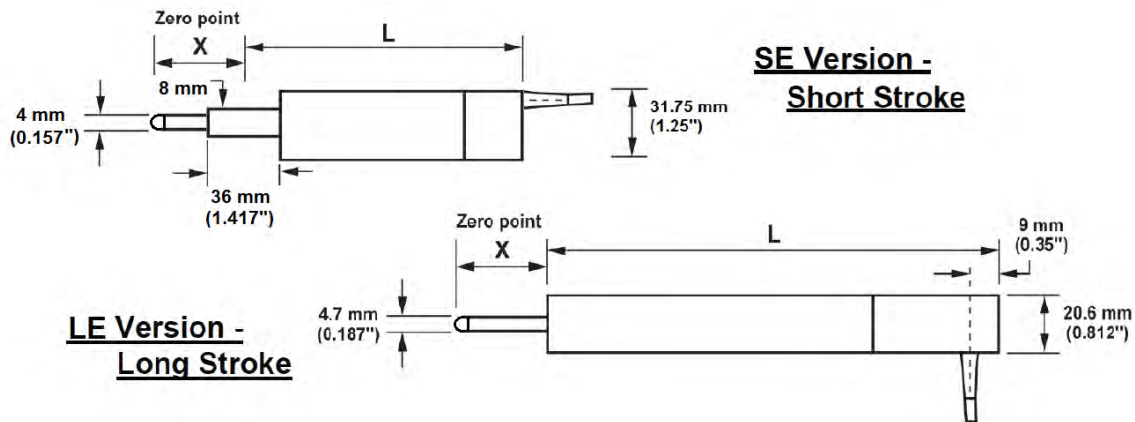




DC "10" LVDT SERIES

These are the standard DC EXCITED SHORT and LONG-STROKE LVDT models with SPRING EXTENDED ARMATURE. Operating from a simple unregulated power supply of 12V to 36VDC, each LVDT generates 10 VDC output (0V = inward full scale) output signal. For 4-20 mA output versions, see the DC "420" LVDT Series. Each model includes high-quality electronics for energization and signal conditioning. Encapsulated, integrated electronics are suitable for operation in harsh industrial environments. All models are fitted with 2 meters (6.6 ft.) of shielded cable.



Model	Range 10V FS	L	X (nom)	Total weight	Spring force at X	Spring rate	Inward over-travel	Outward over-travel
DSD400SE-10	5mm (0.20")	83mm	12mm	220g	1.0N	0.9N/cm	2.2mm	1.3mm
DSD800SE-10	10mm (0.40")	83mm	13mm	220g	1.0N	0.8N/cm	0.3mm	1.3mm
DSD1200SE-10	15mm (0.60")	83mm	18mm	220g	1.5N	0.6N/cm	1.4mm	1.3mm
DSD1600SE-10	20mm (0.80")	83mm	22mm	220g	1.8N	0.8N/cm	1.3mm	1.3mm
DSD2000LE-10	25mm (1.0")	182mm	38mm	227g	1.3N	0.2N/cm	1.0mm	13mm
DSD4000LE-10	50mm (2.0")	210mm	63mm	284g	2.0N	0.3N/cm	3.0mm	10mm
DSD8000LE-10	100mm (4.0")	324mm	75mm	398g	1.8N	0.2N/cm	8mm	14mm
DSD12000LE-10	150mm (6.0")	436mm	114mm	511g	6.0N	0.4N/cm	15mm	15mm

LVDT

DC-DC 10 VDC Output SPRING EXTENDED
ARMATURE - Short and Long Stroke

SPECIFICATIONS

Excitation: 12V to 36V V-DC; 25 mA maximum

Armature: Spring Extended

Linearity: $\pm 0.5\%$ of full scale*

Outputs: 0V to 10V (0 = inward full scale)

Load: 2K Ω

Output Ripple: 30 mV (peak-to-peak)

Bandwidth: 200Hz

Electrical termination: 2m (integral cable)

Span Temperature Coefficient: $\pm 0.03\%$ F.S. / $^{\circ}\text{C}$ (typical)

Operating Temperature Range: -10°C to 70°C

* $\pm 0.25\%$ and $\pm 0.1\%$ linearity are available as options on some ranges (contact the factory for details).

