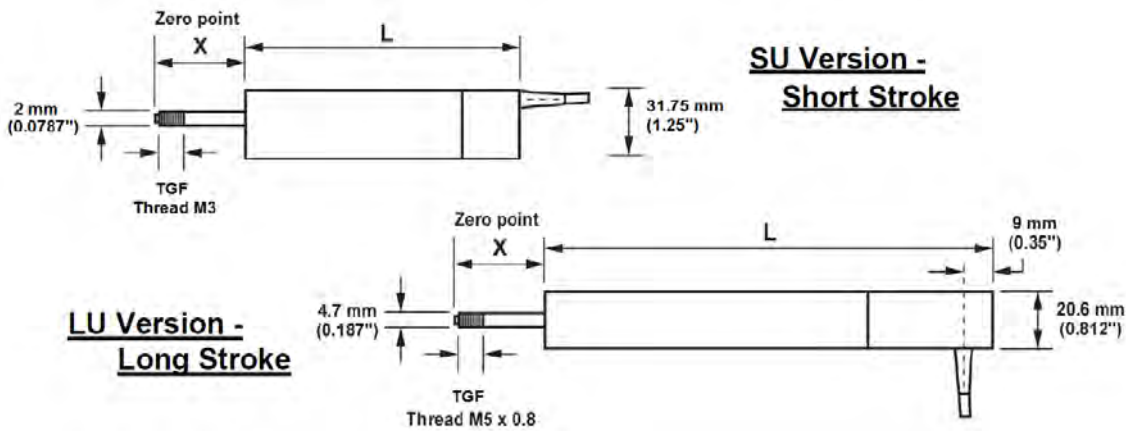




DC "10" LVDT SERIES

These are the standard DC EXCITED SHORT and LONG-STROKE LVDT models with UNGUIDED ARMATURE. Operating from a simple unregulated power supply of 12V to 36VDC, each LVDT generates 10V Isolated (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	Armature weight	TGF	Inward over-travel
DSD400SU-10	5mm (0.20")	83mm	34mm	207g	3g	18mm	11.6mm
DSD800SU-10	10mm (0.40")	83mm	34mm	207g	3g	18mm	9.0mm
DSD1200SU-10	15mm (0.60")	83mm	34mm	207g	3g	18mm	6.5mm
DSD1600SU-10	20mm (0.80")	83mm	34mm	207g	3g	18mm	3.9mm
DSD2000LU-10	25mm (1.0")	175mm	43mm	213g	17g	15mm	16mm
DSD4000LU-10	50mm (2.0")	203mm	69mm	270g	23g	15mm	22mm
DSD8000LU-10	100mm (4.0")	317mm	81mm	369g	37g	15mm	16mm
DSD12000LU-10	150mm (6.0")	430mm	120mm	497g	55g	15mm	29mm
DSD16000LU-10	200mm (8.0")	475mm	132mm	625g	71g	15mm	16mm
DSD23600LU-10	300mm (11.8")	666mm	183mm	852g	100g	15mm	16mm
DSD31600LU-10	400mm (15.75")	856mm	259mm	1.3kg	140g	29mm	27mm

LVDT

DC-DC 10V Output UNGUIDED
ARMATURE - Short and Long Stroke

SPECIFICATIONS

Excitation: 14V to 26V, 30mA

Armature: Unguided

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).

