

SL Series LVDT

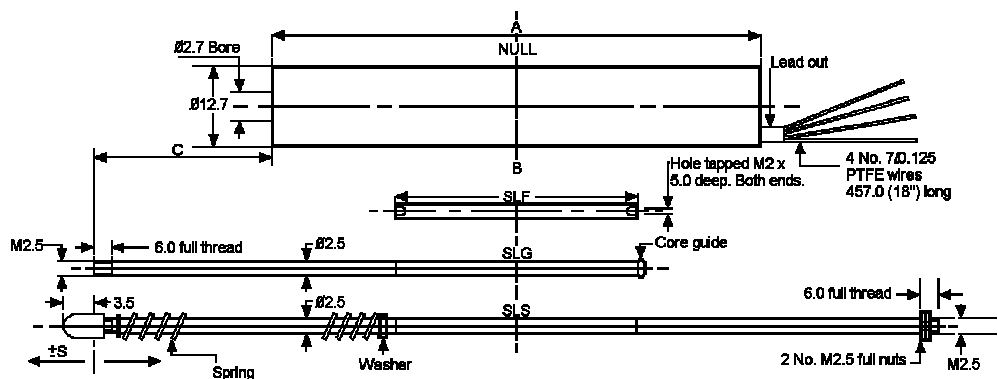
(Displacement Transducer)



- AC Operation
- Sprung, guided or free core
- Small Diameter Body
- Low Cost

These Linear Variable Differential Transformer Displacement Transducers feature a 12.5mm (0.5") diameter body for OEM applications and use in restricted spaces. They are designed for operation on low voltage AC supplies at frequencies from 50Hz to 5KHz and are supplied complete with a free core and extension rod assembly. The stainless steel body, bore tube and extension rod permit corrosion-free operation in most environments. Colour-coded flexible PTFE lead-out wires of 0.5mm (18") length emerge through one end face of the body.

The moving core is normally fitted with an integral extension shaft which is threaded for attachment to the source of movement. If required, the core may be supplied without the extension rod, the core then having a plain or threaded hole according to requirements.



DS1180-1

Specification

Input Voltage.....	From less than 1V to 10V RMS, 50Hz to 5kHz.
Maximum Primary current.....	10mA
Temperature Range.....	From 0°C to 90°C
Linearity.....	Better Than $\pm 0.5\%$
Mounting Arrangement.....	By clamp around the body (clamp not supplied)

Type No.	Stroke \pm m.m	A	B	C	Individual Specification No.			Output at full range (3kHz)
					SLF free core	SLG Guided core	SLS Sprung core	
SL-2.5	2.5	33.5	20.3	33.5	IS.132	IS.136	IS.140	50mV/V
SL-5	5	48	22.86	36	IS.133	IS.137	IS.141	90mV/V
SL12.5	12.5	78	38.1	43.5	IS.134	IS.138	IS.142	400mV/V
SL-25	25	122	60.96	56	IS.135	IS.139	IS.143	600mV/V

Ordering Information/Options

Options:

Different lengths of integral lead out wires.

Ordering Information:

When ordering request unit by Type No. and IS No. or state requirements by specifying options

DS1180-1



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