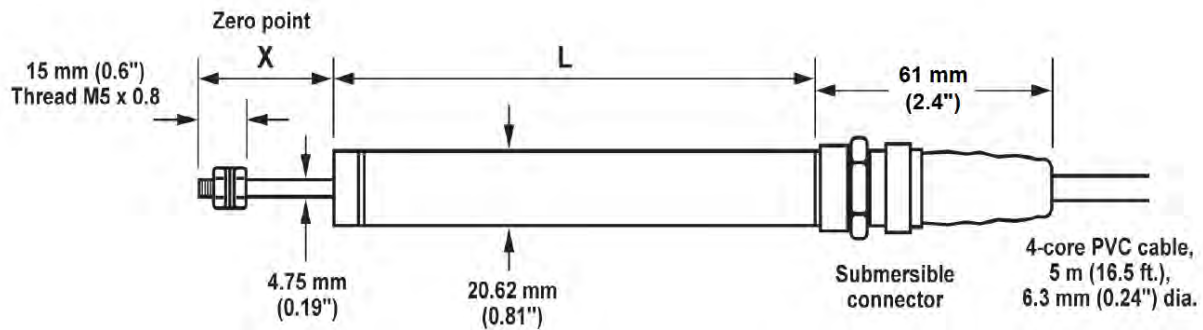




AC "LCM" SEALED LVDT SERIES

These units are ideal for industrial use in most fluids and gases. The standard cable connection is by means of a submersible connector, but several other optional versions are available, providing different cable lengths and temperature/ pressure ratings (contact the Daytronic factory for details).



Model	Range \pm	L	X (nom)	Total weight	Inward over-travel	Outward over-travel	Sensitivity (nom)
DS1000LCM	12.5mm (0.5")	6.02"	1.5"	11.1oz	0.4"	1.1"	0.7V/V
DS2000LCM	25mm (1")	7.13"	2.5"	13.1oz	0.7"	1.0"	0.9V/V
DS4000LCM	50mm (2")	11.97"	3.0"	1.2lb	0.4"	1.1"	1.5V/V
DS6000LCM	75mm (3")	16.54"	4.5"	1.5lb	0.9"	1.1"	1.5V/V
DS8000LCM	100mm (4")	17.83"	5.0"	1.6lb	0.4"	1.1"	3.2V/V
DS12000LCM	150mm (6")	24.88"	7.0"	2.3lb	0.4"	1.4"	2.4V/V
DS16000LCM	200mm (8")	33.78"	10.0"	3.2lb	1.4"	1.6"	1.5V/V
DS20000LCM	250mm (10")	41.06"	12.0"	3.6lb	1.4"	1.9"	2.0V/V
DS30000LCM	380mm (15")	56.81"	16.0"	4.8lb	0.4"	1.1"	3.2V/V
DS37000LCM	470mm (18.5")	67.56"	20.0"	5.6lb	0.9"	1.4"	3.6V/V

LVDT

AC, LONG-STROKE, CAPTIVE GUIDED,
HERMETICALLY SEALED
[LCM SERIES]

SPECIFICATIONS

Excitation: 0.5V to 7V rms, 2kHz to 10kHz (sinusoidal)

Armature: Captive

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

Phase Shift: Typically 10° (depends on frequency)

Output Load (recommended): 100k Ω

Maximum Static Pressure: 3000 PSI

Maximum Static Pressure Cable Connector: 145 PSI

Temperature Coefficient (Zero and Span): 0.01% of full scale/ $^\circ\text{C}$ (0.005% of full scale/ $^\circ\text{F}$)

Operating Temperature Range: -40°C to $+90^\circ\text{C}$ (-40°F to $+194^\circ\text{F}$)**

Pressure Rating: 10 bar (145 psi)**

* $\pm 0.25\%$ and $\pm 0.1\%$ linearity are available as options (contact the factory).

** Higher temperature/pressure ratings available with cable options (contact factory for details).

