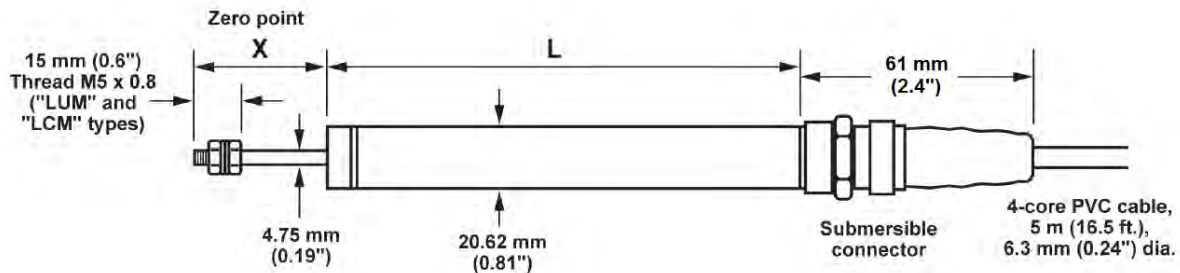




## DC "LCM" SEALED LVDT SERIES

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 pressure ratings (contact the Daytronic factory for details).



Model	Range $\pm$	L	X (nom)	Total weight	Inward over-travel	Outward over-travel
DSD1000LCM	12.5mm (0.5")	7.99"	1.5"	13oz	0.4"	1.1"
DSD2000LCM	25mm (1")	9.09"	2.5"	15.1oz	0.7"	1.0"
DSD4000LCM	50mm (2")	13.94"	3.0"	1.2lb	0.4"	1.1"
DSD6000LCM	75mm (3")	18.50"	4.5"	1.4lb	0.9"	1.1"
DSD8000LCM	100mm (4")	19.80"	5.0"	1.8lb	0.4"	1.1"
DSD12000LCM	150mm (6")	27.83"	7.0"	2.3lb	0.4"	1.4"
DSD16000LCM	200mm (8")	35.79"	10.0"	3.3lb	1.4"	1.6"
DSD20000LCM	250mm (10")	43.07"	12.0"	3.8lb	1.4"	1.9"
DSD30000LCM	380mm (15")	58.78"	16.0"	5.0lb	0.4"	1.1"
DSD37000LCM	470mm (18.5")	69.53"	20.0"	5.8lb	0.9"	1.4"

# LVDT

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

## SPECIFICATIONS

**Excitation:** Unregulated  $\pm 12$  to  $\pm 20$  V-DC or  $+24$  to  $+40$  V-DC; 45 mA maximum

**Change in output for change in supply:** 5 mV/V

**Armature:** Unguided

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

**Output Options:**  $\pm 5$  V-DC;  $\pm 10$  V-DC; 4-20 mA

**Output ripple:** 30mV (peak-to-peak typical)

**Output Bandwidth:** 200 Hz (flat)

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

**Span Temperature Coefficient:** 0.03% of full scale/ $^{\circ}$ C (0.015% of full scale/ $^{\circ}$ F)

**Operating Temperature Range:**  $-40^{\circ}$ C to  $+80^{\circ}$ C ( $-40$  F to  $+176^{\circ}$  F)

**Maximum Static Pressure Rating:** 3000 psi\*\*

**Maximum Static Pressure Cable Connection:** 145 psi

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

\*\* Up to 200 bar (3000 psi) available with cable options (contact factory for details).

