WATERPROOF (IP68) LVDT'S
WITH ±5 Vdc OR 0 TO 10 Vdc OUTPUT

NEW

± 2.5 to ± 25 mm Bi-Directional
0-5 to 0-50 mm Uni-Directional

Sealing mating connector with 3 m (9') cable included.

LD660-7.5 shown actual size.

Screw mounting standard.

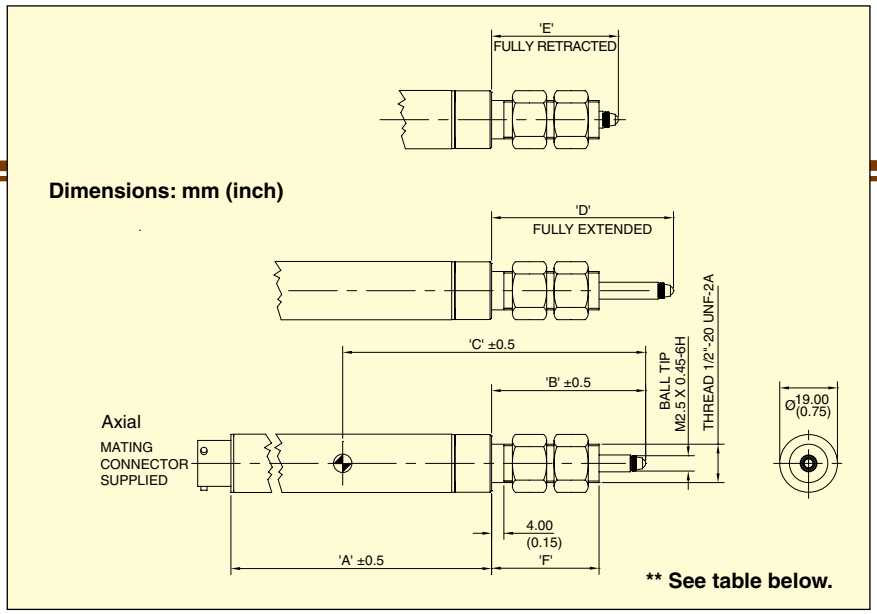
LD660 Series

- **Rugged Construction for Washdown and Harsh Environments**
- **Extra Protection Against Electrical Interference**
- **MS Type Axial Connector**
- **Stainless Steel Body and Core Carrier**
- **IP68 Environmental Rating**
- **Screw Mount Design**

The LD660 Series rugged LVDT's are designed for use in wet or challenging environments in industrial control applications. They are available with either a ± 5 Vdc output with zero volts out at center position or a 0 to 10 Vdc with zero volts out at the extended position. All models carry an IP68 environmental rating and utilize a screw mount configuration for easier installation. They are spring loaded and include a ball tip and screw mounting fixture.

SPECIFICATIONS

Linearity: <0.2% FSO
Excitation Voltage: 10 to 30 Vdc
Output:
LD660: ± 5 Vdc
LD661: 0 to 10 Vdc
Output Ripple: 0.02% FSO
Bandwidth: 500 Hz (-3 dB)
Storage Temp: -20 to 85°C (-4 to 185°F)
Operating Temp: 0 to 65°C (-4 to 149°F)
Temperature Coefficient:
<0.03% FSO/°C (0.017%/° F)
Vibration (Sinusoidal):
10 to 50 Hz: 1 to 10 g rms linear
50 Hz to 1 kHz: 10 g rms
Shock: Drop test 1 m (3') onto hard surface
Connection: 6 pin MS type axial connector includes mating connector with 3 m (9') cable
Environmental Sealing: IP68
Body Material: 300 series stainless steel
Core Material: Nickel-iron



Dimensions: mm (inch)

**RANGE	A	B	C	D	E	F
± 2.5 or 0 to 5 (0.10 or 0.20)	98.9 (3.89)	44.7 (1.76)	76.4 (3.01)	48.7 (1.92)	41.1 (1.62)	35.0 (1.38)
± 5 or 0 to 10 (0.20 or 0.4)	115.9 (4.56)	48.0 (1.89)	89.5 (3.52)	56.2 (2.21)	41.3 (1.63)	35.0 (1.38)
± 7.5 or 0 to 15 (0.30 or 0.6)	124.4 (4.90)	50.2 (1.98)	95.3 (3.75)	60.7 (2.39)	41.3 (1.63)	35.0 (1.38)
± 10 or 0 to 20 (0.39 or 0.8)	139.9 (5.51)	94.3 (3.71)	146.5 (5.77)	106.2 (4.18)	82.3 (3.24)	76.0 (2.99)
± 15 or 0 to 30 (0.59 or 1.2)	153.9 (6.06)	101.8 (4.01)	161.3 (6.35)	121.2 (4.77)	85.3 (3.36)	76.0 (2.99)
± 25 or 0 to 50 (0.98 or 2.0)	175.9 (6.93)	112.5 (4.43)	182.3 (7.18)	140.2 (5.52)	82.3 (3.24)	76.0 (2.99)

To Order *Visit omega.com/ld660 for Pricing and Details*

MODEL NO.	RANGE mm (inch)	COMPATIBLE METERS*
LD660 SERIES ± 5 Vdc OUTPUT		
LD660-2.5	-2.5 to 2.5 (± 0.1)	DP41-E, DP25B-E, DPi Series
LD660-5	-5 to 5 (± 0.2)	DP41-E, DP25B-E, DPi Series
LD660-7.5	-7.7 to 7.5 (± 0.3)	DP41-E, DP25B-E, DPi Series
LD660-10	-10 to 10 (± 0.4)	DP41-E, DP25B-E, DPi Series
LD660-15	-15 to 15 (± 0.6)	DP41-E, DP25B-E, DPi Series
LD660-25	-25 to 25 (± 1.0)	DP41-E, DP25B-E, DPi Series
LD661 SERIES 0 to 10 Vdc OUTPUT		
LD661-5	0 to 5 (0 to 0.2)	DP41-E, DP25B-E, DPi Series
LD661-10	0 to 10 (0 to 0.4)	DP41-E, DP25B-E, DPi Series
LD661-15	0 to 15 (0 to 0.6)	DP41-E, DP25B-E, DPi Series
LD661-20	0 to 20 (0 to 0.8)	DP41-E, DP25B-E, DPi Series
LD661-30	0 to 30 (0 to 1.2)	DP41-E, DP25B-E, DPi Series
LD661-50	0 to 50 (0 to 2.0)	DP41-E, DP25B-E, DPi Series

Comes complete with mating connector with 3 m (9') cable.
** For compatible meters visit **omega.com/meters***
***Ordering Example: LD660-10,** rugged displacement sensor with ± 10 mm stroke and ± 5 Vdc output.*
***LD651-30** rugged displacement sensor with 0 to 30 mm stroke and 0 to 10 Vdc output.*