WATERPROOF (IP68) LVDT'S
WITH 4 TO 20 MA OUTPUT

NEW

0-5 to 0-50 mm Extensions

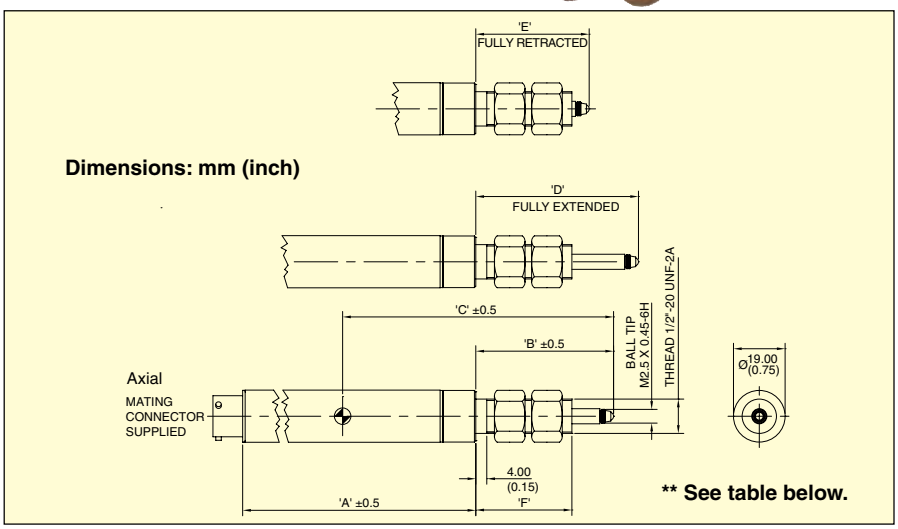
LD650

CE RoHS

LD650-15 with mating connector and 3 m (9') cable included.

- **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 LD650 Series rugged LVDT's are designed for use in wet or challenging environments in industrial control applications. They have a 2 wire 4 to 20 mA loop output with a rugged twist lock connector. 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.



Dimensions: mm (inch)

** RANGE	A	B	C	D	E	F
0 to 5 (0 to 0.2)	98.9 (3.89)	44.7 (1.76)	76.4 (3.01)	48.7 (1.92)	41.1 (1.62)	35.0 (1.38)
0 to 10 (0 to 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)
0 to 15 (0 to 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)
0 to 20 (0 to 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)
0 to 30 (0 to 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)
0 to 50 (0 to 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)

SPECIFICATIONS

Linearity: <0.2% FSO
Excitation Voltage: 10 to 30 Vdc
Output: 4 to 20 mA
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 (3.3') 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 SS
Core Material: Nickel-iron

To Order *Visit omega.com/ld650 for Pricing and Details*

MODEL NO.	RANGE mm (inch)	COMPATIBLE METERS*
LD650-5	0 to 5 (0 to 0.2)	DP41-E, DP25B-E, DPi Series
LD650-10	0 to 10 (0 to 0.4)	DP41-E, DP25B-E, DPi Series
LD650-15	0 to 15 (0 to 0.6)	DP41-E, DP25B-E, DPi Series
LD650-20	0 to 20 (0 to 0.8)	DP41-E, DP25B-E, DPi Series
LD650-30	0 to 30 (0 to 1.2)	DP41-E, DP25B-E, DPi Series
LD650-50	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 Examples: LD650-10**, rugged displacement sensor with 0 to 10 mm (0 to 0.4) stroke and 4 to 20 output. **LD650-30,** rugged displacement sensor with 0 to 30 mm (0 to 1.2) stroke and 4 to 20 output.*