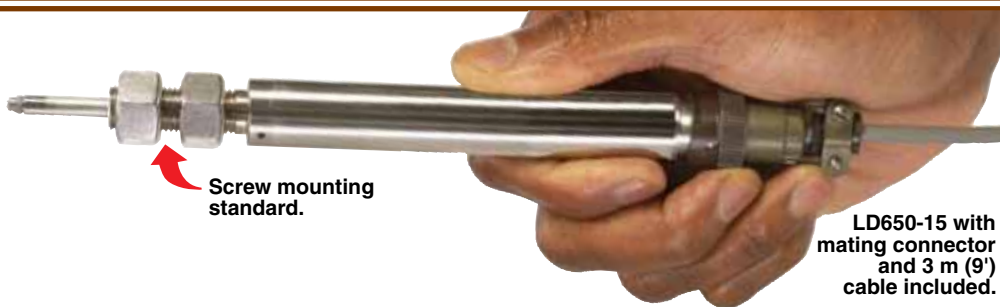


WATERPROOF (IP68) LVDT'S WITH 4 TO 20 MA OUTPUT



0-5 to 0-50 mm Extensions

LD650



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.

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

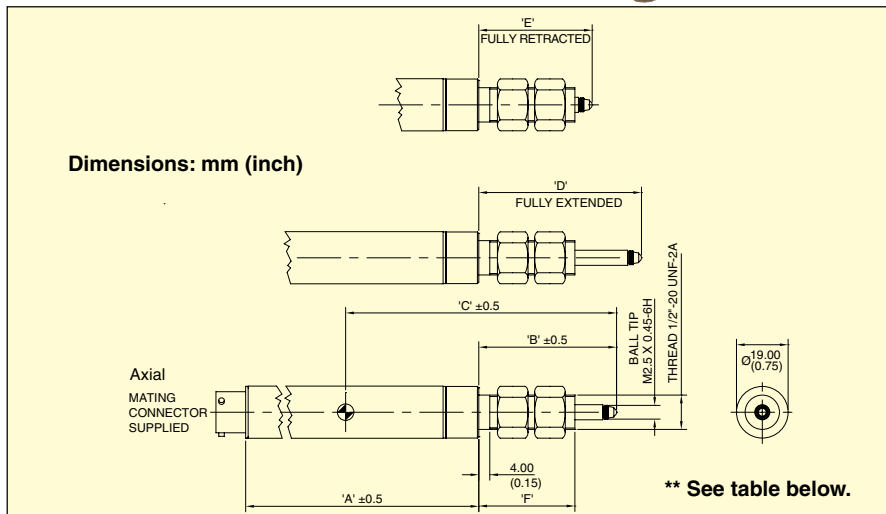
Shock: Drop test 1 m (3.3') onto hard surface

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



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) |

To Order

| 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.

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.

DISPLACEMENT