



AC LVDT DISPLACEMENT SENSORS

LD320 Series

Starts at
£141

- ✓ 2.5 to 75 mm travel
- ✓ <0.2% Linearity
- ✓ Rugged 19 mm Dia. Stainless Steel Body
- ✓ Rigid Stainless Steel Carrier
- ✓ Guided Core with Removable Spring
- ✓ IP67 Protection

The LD320 Series displacement sensors have a stainless steel body with improved IP67-rated sealing, coupled with new polymer guides with rigid carriers. These transducers are accurate and reliable, especially in wet and corrosive conditions.

An unusually large bore-to-core clearance is maintained throughout the range, even on transducers fitted with on-board signal conditioning. This makes installation easier and helps prevent misalignment.

SPECIFICATIONS

Linearity: <0.2% FSO

Excitation: 3 ± 1 Vrms

Excitation Frequency: 5 ± 0.5 kHz

Residual Voltage at Null Position: <0.5% FSO

Storage Temp: -40 to 120°C (-40 to 248°F)

Operating Temp: -40 to 120°C (-40 to 248°F)

Protection Rating: IP67

Vibration (Sinusoidal Frequency):

10 to 50 Hz:

1 to 10 g rms linear

50 Hz to 1 kHz: 10 g rms linear

Shock:

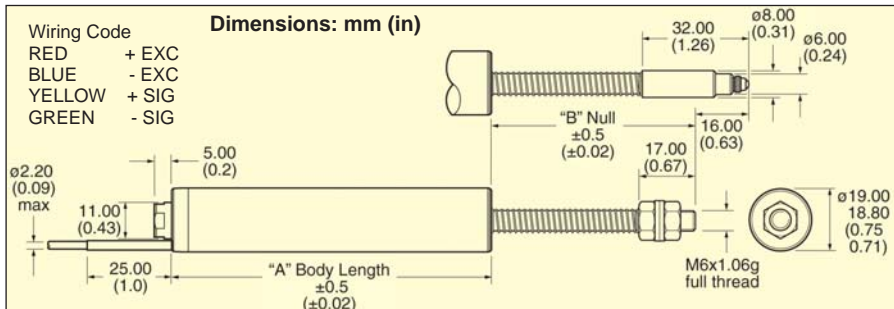
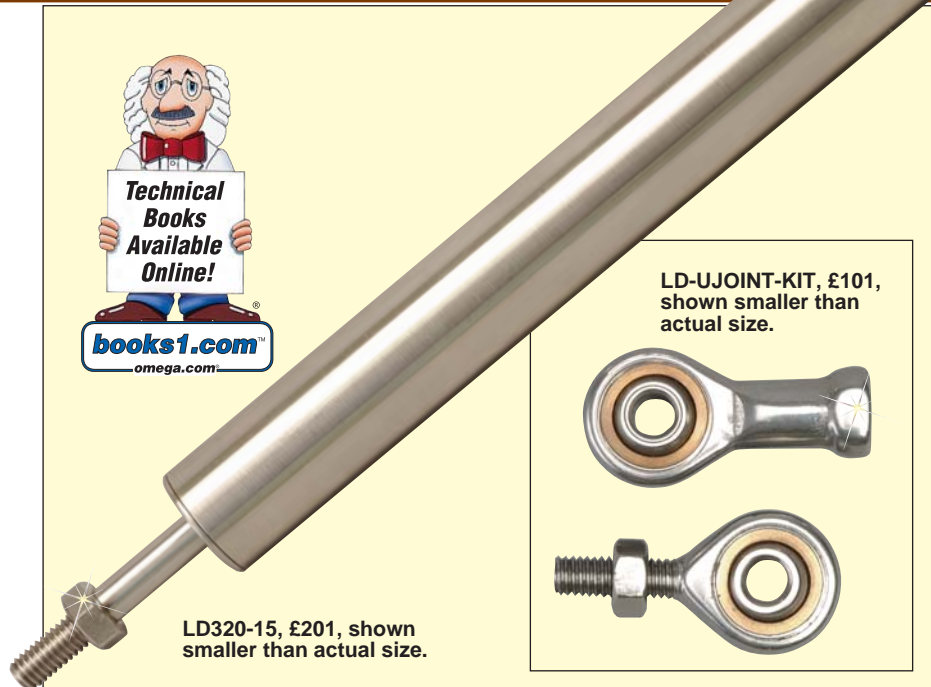
Drop Testing: 1 m (3') onto hard surface

Topple Testing: 10 times each end onto hard surface

Case Material: 300 SS

Cable: PFA, 2 m (6') long

Core Material: Nickel-iron



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	RANGE: mm (in)	"A" DIM mm (in)	"B" DIM mm (in)	COMPATIBLE INSTRUMENTATION*
LD320-2.5	£141	±2.5 (±0.1)	55.0 (2.2)	31.5 (1.2)	LDX-D, LDX-2, LDX-3A, LDX-4
LD320-5	161	±5 (±0.2)	74.5 (2.9)	39.0 (1.5)	LDX-D, LDX-2, LDX-3A, LDX-4
LD320-7.5	174	±7.5 (±0.3)	81.7 (3.2)	41.9 (1.7)	LDX-D, LDX-2, LDX-3A, LDX-4
LD320-10	188	±10 (±0.4)	96.0 (3.8)	48.8 (1.9)	LDX-D, LDX-2, LDX-3A, LDX-4
LD320-15	201	±15 (±0.5)	110.4 (4.4)	58.3 (2.3)	LDX-D, LDX-2, LDX-3A, LDX-4
LD320-25	231	±25 (±1.0)	131.9 (5.2)	71.1 (2.8)	LDX-D, LDX-2, LDX-3A, LDX-4
LD320-50	245	±50 (±2.0)	189.5 (7.5)	106.0 (4.2)	LDX-D, LDX-2, LDX-3A, LDX-4
LD320-75	258	±75 (±3.0)	239.7 (9.4)	151.9 (6.0)	LDX-D, LDX-2, LDX-3A, LDX-4

* See this section for compatible instrumentation.

Ordering Examples: LD320-7.5, LVDT displacement transducer, range of ±7.5 mm (±0.3"), £174. LD-UJOINT-KIT, U-joint kit, £101.

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
LD-TIP	£30	Tip adaptor/ball tip
LD-UJOINT-KIT	101	U-joint retro fit kit
LDX-D	281	LVDT signal conditioner, DIN rail mount



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