



DIGITAL OUTPUT DISPLACEMENT TRANSDUCERS

LD640 Series

Starts at
\$450

- ✓ Less Than 0.2% Linearity
- ✓ 5 to 150 mm Travel Lengths Available
- ✓ RS485 Serial Communications Output
- ✓ Rugged Stainless Steel Body Construction
- ✓ Guided Core with Removeable Spring
- ✓ IP67 Environmental Rating

The LD640 Series digital output displacement transducers have improved IP67-rated sealing, coupled with polymer guides with rigid carriers. These transducers are accurate and reliable, especially in wet and corrosive conditions.

SPECIFICATIONS

Linearity: <0.2% FSO

Read Rate: Up to 3960 readings per second

Bandwidth: Up to 460 Hz, depending on noise performance required

Signal Output: RS485 serial communications

Storage Temp:

Probe Interface: -20 to 85°C (-4 to 185°F)

Transducer: -20 to 85°C (-4 to 185°F)

Operating Temp:

Probe Interface: 0 to 60°C (32 to 140°F)

Transducer: -40 to 120°C (-40 to 248°F)

Sealing:

Probe Interface: IP43

Transducer: IP67

Vibration (Sinusoidal Frequency):

10 to 50 Hz: Amplitude

1 to 10 g rms linear

50 Hz to 1 kHz: Amplitude

10 g rms linear

Shock:

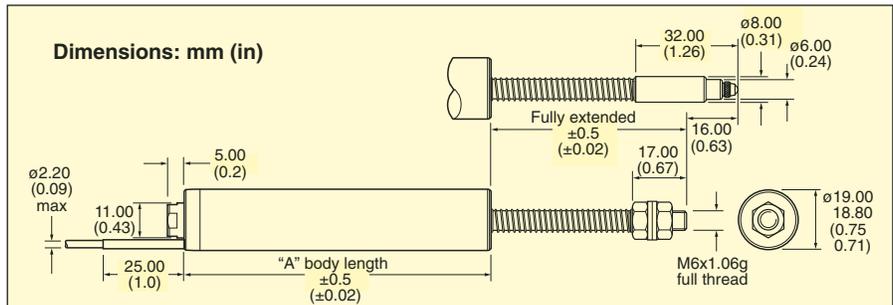
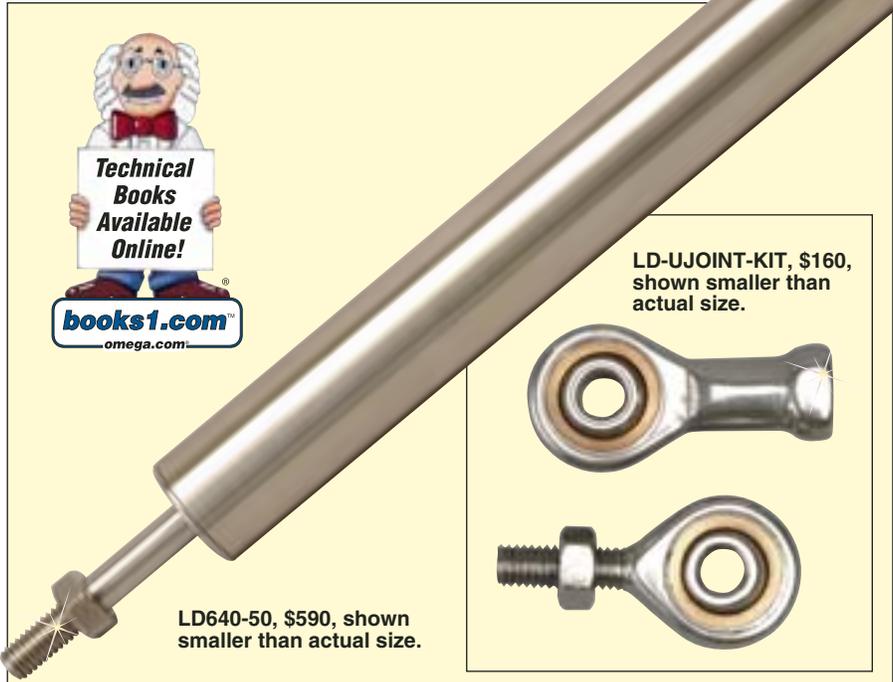
Drop Testing: 1 m (3') onto hard surface

Topple Testing: 10 times each end onto hard surface

Cable: PFA, 2 m (6') long

Integral Electronics Module: Supplied

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*
LD640-5	\$450	5 (0.2)	55.0 (2.2)	35.3 (1.4)	DR601, LDN232
LD640-10	480	10 (0.4)	74.5 (2.9)	46.3 (1.8)	DR601, LDN232
LD640-15	500	15 (0.5)	81.7 (3.2)	50.3 (2.0)	DR601, LDN232
LD640-20	520	20 (0.8)	96.0 (3.8)	61.3 (2.4)	DR601, LDN232
LD640-30	540	30 (1.0)	110.4 (4.4)	79.3 (3.1)	DR601, LDN232
LD640-50	590	50 (2.0)	131.9 (5.2)	102.3 (4.0)	DR601, LDN232
LD640-100	610	100 (4.0)	189.5 (7.5)	160.3 (6.3)	DR601, LDN232
LD640-150	630	150 (6.0)	239.7 (9.4)	231.3 (9.1)	DR601, LDN232

* For DR601, see page J-12. For LDN232, see page J-11.

Ordering Example: LD640-20, digital output displacement probe with measurement range of 0 to 20 mm (0 to 0.8"), \$520.

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
LD-TIP	\$50	Tip adaptor/ball tip
LD-UJOINT-KIT	160	U-joint retro fit kit
EE-2560	125	Reference Book: Analog Signal Processing

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