MT2E Test Applications • Incremental Encoder

Compact String Pot • 0-30,0-50 inch Stroke Range Dual Axis 360° Mounting Bracket Flight/Crash Test Applications Aluminum & Polycarbonate Enclosure

CE

	GENERAL
Full Stroke Range	0-30 ,0-50 inches
Output Signal	incremental encoder
Accuracy	0.04% full stroke
Repeatability	\pm 0.02% full stroke
Resolution	0-30 inch, 316 \pm 5 pulses per inch
	0-50 inch, 188 \pm 2 pulses per inch
Measuring Cable	Ø.019-in. nylon-coated stainless steel
Enclosure Material	anodized aluminum
Sensor Cover	polycarbonate
Sensor	optical incremental encoder
Weight	0.5 lb. max.
Input Voltage	5 - 26 VDC
Input Current	50 mA, no load
Output Driver	push-pull, 20 mA source/sink
Output Voltage	equal to the input voltage
Mating Plug	LEMO FGG.OB.304.CLAD52

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MECHANICAL

Measuring Cable Tension Options Maximum Measuring Cable Acceleration

ENVIRONMENTAL

Operating Temperature

32° to 158° F (0° to 70°C)

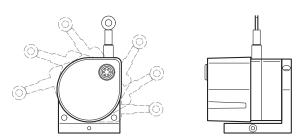
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see ordering information

see ordering information

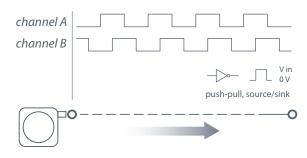




The MT2E is our new encoder-based member to our family of rugged, accurate miniature cable-extension position transducers. The Celesco MT2E features a highly-tensioned heavy-duty measuring cable that was designed for the high-acceleration demands encountered in flight testing and automotive crash tests.

The MT2E was designed with 2-axis 360° rotation in its mounting bracket which allows for fast and simple installation in any direction.

Output Signal

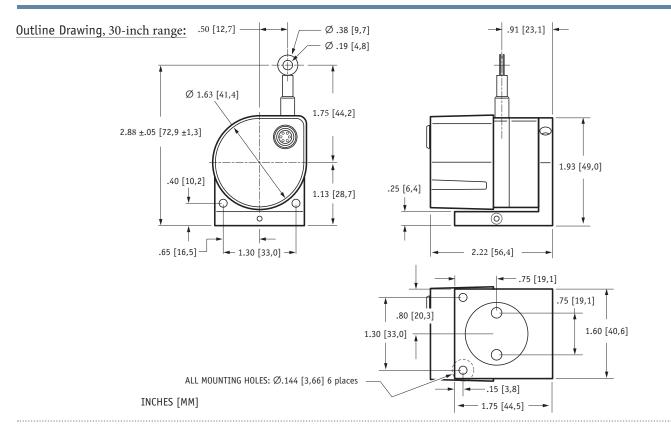


-- see ordering information for available channels

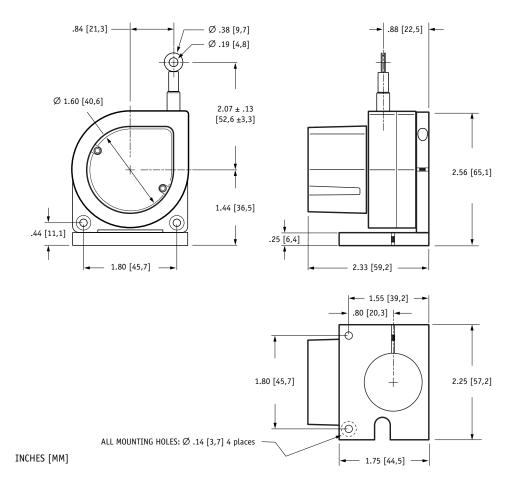
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formally Celesco Transducer Products, Inc.





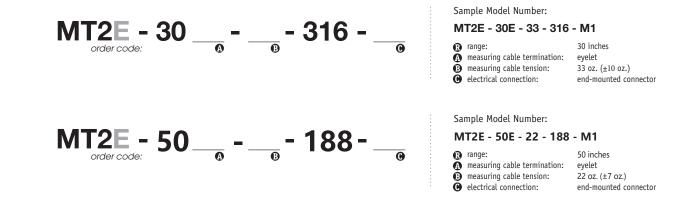
Outline Drawing, 50-inch range:

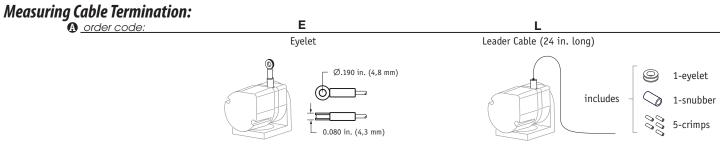


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Ordering Information:

Model Number:



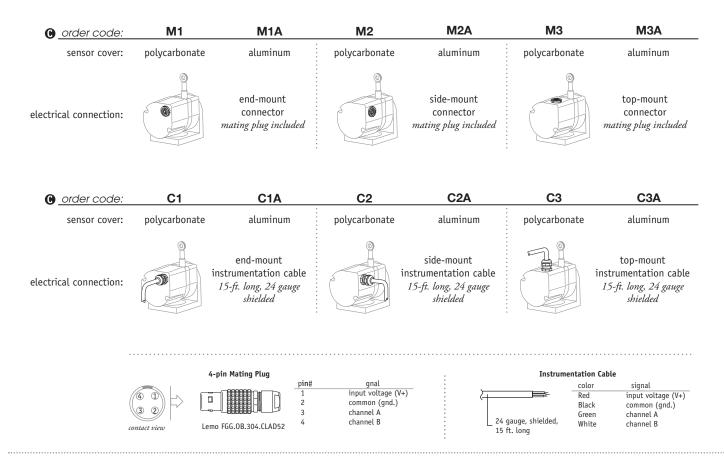


Measurina Cable Tension:

9	14	33
9 (±3) oz.	14 (±4) oz.	33 (±10) oz.
99 g	136 g	136 g
≥ 1 million	150,000	75,000
\geq 1 million	\geq 1 million	≥ 1 million
9	22	
9 (±3) oz.	22(±7) oz.	
46 g	68 g	
≥ 1 million	150,000	
\geq 1 million	≥ 1 million	
	99 g ≥ 1 million ≥ 1 million 9 9 (±3) oz. 46 g ≥ 1 million	9 (±3) oz. 14 (±4) oz. 99 g 136 g ≥ 1 million 150,000 ≥ 1 million ≥ 1 million 9 22 9 (±3) oz. 22(±7) oz. 46 g 68 g ≥ 1 million 150,000

Ordering Information (cont.):

Electrical Connection:



Accessories:

Part Number	Description
9603957-0015	15 ft. long cordset. Includes mating connector with 15 ft., 24 gauge, shielded multiconductor cable

version: 5.2 last updated: December 18, 2015

