

LMT Series

Linear Motion Potentiometer

- Measuring range 10 -25mm
- Long mechanical life
- Excellent repeatability <0.01mm
- Infinite resolution



Electrical Specifications*

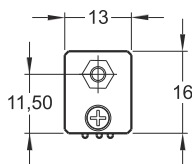
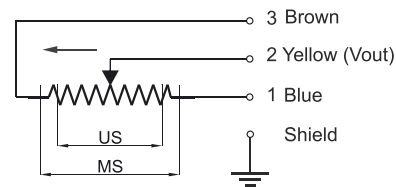
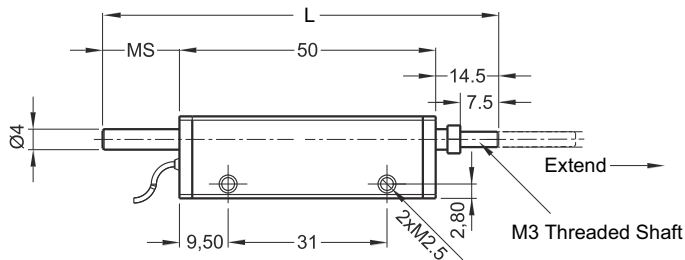
Linearity	±0.5%
Resolution	Infinite
Resistance	2KΩ
Resistance tolerance	±20%
Load resistance	100KΩ min.
Wiper current	<1μA
Max applied voltage	28VDC
Output smoothness	< 0.1% against applied voltage
Contact resistance variation	< 2% C.R.V.
Temperature coefficient	400 ppm/°C
Insulation resistance	>100MΩ @ 500VDC
Dielectric Strength	<100μA @ 500V~, 50Hz, 2s

Mechanical Specifications*

Measurement stroke	10 - 25mm (see table below)
Repeatability	<0.01mm
Electrical connections	Cable 0.15m
Displacement speed	<5 m/s
Mechanical life	50 million cycles
Case dimensions	13mm x 16mm
Case material	Anodized aluminum
Rod material	Stainless Steel
Rod diameter	Ø4mm
Mechanical fixing	M2.5 threaded screw holes
IP degree	IP63
Operating temperature	-20°C to +80°C
Storage temperature	-30°C to +90°C
Vibration	5~2000Hz, Amax = 0.75mm, amax = 20G
Shock	50 G, 6ms

* Customers should test and verify part performance in any given application. Specifications subject to change without notice.

Dimensions (mm)



LMT(mm)	10	14	25
US (Usefull Stroke)	10	14	25
MS (Mechanical Stroke)	12	15	27
L (Total Length)	74.5	78.5	89.5

Special Specifications Available

Improved linearity, special stroke lengths, custom cable lengths, shaft modifications, other resistance values.