

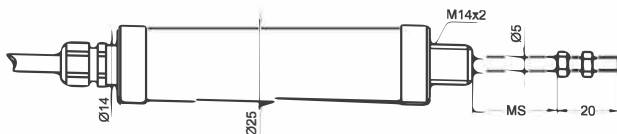
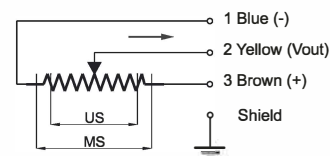
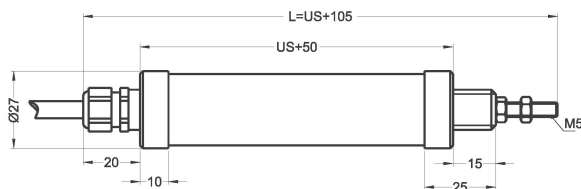
## Linear Potentiometer

- Measuring range 25 - 400 mm
- Long mechanical life 100 million movements
- Excellent repeatability <0.01 mm
- 2 kOhm : 75 mm
- 5 kOhm : 75 ... 400 mm



### Technical specifications

Measurement stroke	25 to 400 mm
Linearity	± 0,05 (>200 mm), ±0,1 (130 - 200 mm), ±0,2 (75 - 130 mm), ±0,5 (<75 mm)
Repeatability	< 0,01 mm
Resolution	Infinite
Resistance	2 kOhm : 25 ... 50 mm 5 kOhm : 75 ... 400 mm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended cursor current	<1 µA
Permissible applied voltage	28 VDC max.
Electrical connections	1 m cable (standard)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Case dimensions	Ø25 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø5 mm
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



LSC(mm)	25	50	75	100	125	150	175	200	250	300	350	400
US (Usefull Stroke)	25	50	75	100	125	150	175	200	250	300	350	400
MS (Mechanical Stroke)	28	53	78	103	128	153	178	203	253	303	353	403
L (Total Length)	130	155	180	205	230	255	280	305	355	405	455	505

Model	Measurement stroke (mm)	Linearity (%)	Resistance (KOhm)	Connector / Cable
(example) LSC	175	D	5K	1M
LSC	25 ... 400 mm	D: ±0,05 (>200 mm), ±0,1 (130 - 200 mm), ±0,2 (75 - 130 mm), ±0,5 (<75 mm)	2K: 2 kOhm 5K: 5 kOhm	1M : 1 meter cable (standard) 1M5: 1,5 meter cable 2M5: 2,5 meter cable