

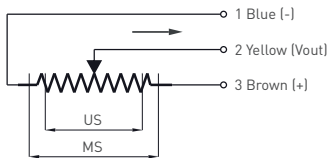
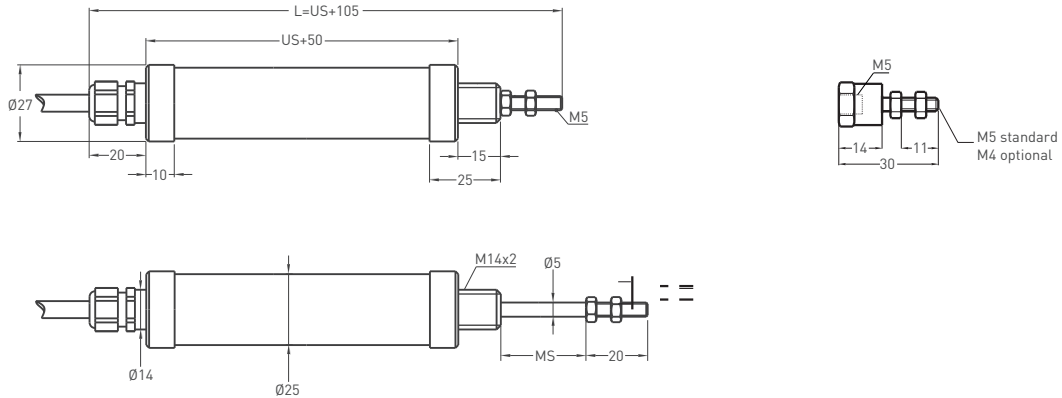
- Measuring range 25 - 400 mm
- ±%0.1 linearity
- 100 million movements life
- <0.01 mm repeatability



**Technical Specifications**

Measurement stroke	25 - 400 mm
Linearity	±%0.05 (≥225 mm), ±%0.1(130-200 mm), ±%0.2 (100-125 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 wiper 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 diameter	Ø25 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø5 mm
Mechanical fixing	Variable brackets
Protection level	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

**Mechanical Specifications**



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

**Ordering Procedure**

Model	Measurement stroke (mm)	Linearity (%)	Resistance (kOhm)	Cable
LSC	175	D	5K	1M
LSC	25 - 400 mm	A: ±%0.5 (≤75 mm), B: ±%0.2 (100 - 125 mm), C: ±%0.1 (130 - 200 mm), D: ±%0.05 (≥225 mm)	2 kOhm : 25 - 50 mm 5 kOhm : 75 - 400 mm	1M : 1 meter cable (standard) 1M5 : 1,5 meter cable 2M5 : 2,5 meter cable

Please note: The specifications and information in this datasheet may not cover all special demands arising from specific applications. Therefore, they do not constitute a comprehensive description of the product properties. OPKON accepts no responsibility for damages resulting from the improper application of our products. The user is responsible for ensuring that the products used are suitable for their own application.