ELSC

Linear Potentiometer

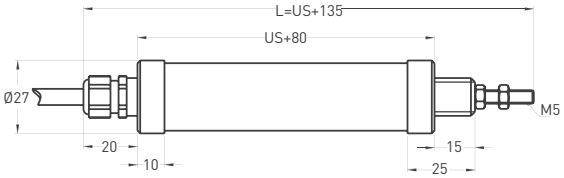
Internal Voltage / Current Conditioner Circiut

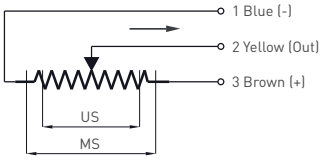
- Measuring range 25 - 400 mm
- Internal electronic circiut
- 4-20mA or 0-10V output

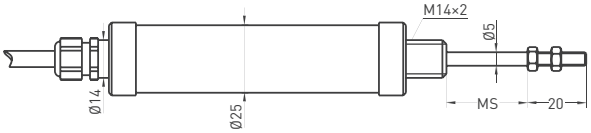


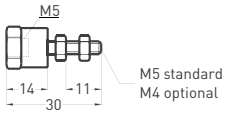
Technical Specifications	
Measurement stroke	25 - 400 mm
Linearity	±%0.5 (≤75 mm), ±%0.2 (100-125 mm) ±%0.1(130-225 mm), ±%0.05 (≥250 mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Output	4-20mA or 0-10V
Permissible applied voltage	15 - 30 VDC
Electrical connections	1 m cable output (standard)
Displacement 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
Protection level	IP 53
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Mechanical Specifications









ELSC (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 Lenght)	155	185	210	235	260	285	310	335	385	435	485	535

Ordering Procedure

Model	Measurement stroke (mm)	Linearity (%)	Output	Connector / Cable
ELSC	175	D	I40	C2
ELSC	25 - 400 mm	A: ±%0.5 (≤75 mm), B: ±%0.2 (100 - 125 mm), C: ±%0.1 (130 - 225 mm), D: ±%0.05 (≥250 mm)	V10 : 0-10V I40 : 4-20mA	1M : 1 meter cable (standard) 1M5 : 1 meter cable 2M : 2 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.