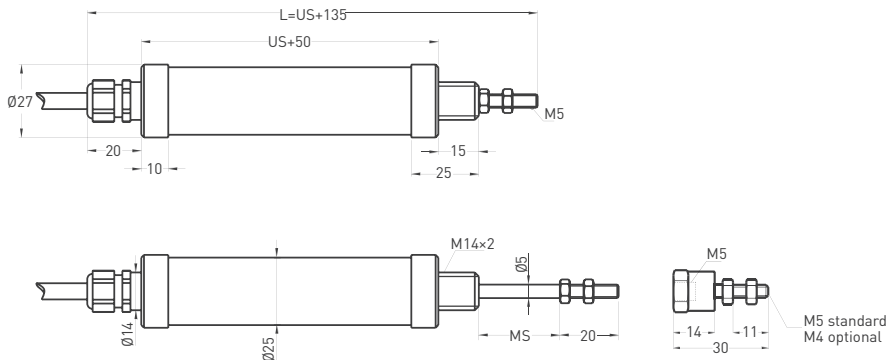


## Linear Potentiometer Internal Voltage / Current Conditioner Circuit

- Internal electronic circuit
- Measuring range 25 - 400 mm
- 4-20 mA or 0-10 V Output
- $\pm 0,05$  (>200 mm),  $\pm 0,1$  (130-200 mm),  
 $\pm 0,2$  (75-130 mm),  $\pm 0,5$  (<75mm)



Technical specifications	
Measurement stroke	25 to 400 mm
Linearity	$\pm 0,05$ (>200 mm), $\pm 0,1$ (130-200 mm), $\pm 0,2$ (75-130 mm), $\pm 0,5$ (<75mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Output	4 - 20 mA or 0 - 10 V
Permissible applied voltage	15 - 30 VDC
Electrical connections	1 meter cable (standard)
Displacement speed	< 5 m/s
Vibration	EN 60068-2-6 5-200 Hz 200 m/s <sup>2</sup> (20g) 2h 30min each axis (x,y,z)
Shock	EN 60068-2-2:2007 500 m/s <sup>2</sup> (50g) 11ms. (x,y,z axis)
Mechanical life	100 million movement
Case dimensions	Ø25 mm
Case material	Anodized aluminium
Rod material	Ø5 mm
Rod diameter	Stainless steel
Protection level	IP 65 - EN 60529
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	25	50	75	100	125	150	175	200	250	300	350	400
MS	28	53	78	103	128	153	178	203	253	303	353	403
L	155	185	210	235	260	285	310	335	385	435	485	535

Model	Measurement stroke (mm)	Linearity (%)	Output	Connector / Cable
[example] ELSC	175	D	I04	C2
ELSC	25 ... 400 mm	D : $\pm 0,5$ (>200 mm) $\pm 0,1$ (130-200 mm) $\pm 0,2$ (75-130 mm) $\pm 0,5$ (<75 mm)	V10 : 0 - 10 V I04 : 4 - 20 mA	1M : 1 meter cable (standard) 1M5: 1,5 meter cable 2M : 2 meter cable