

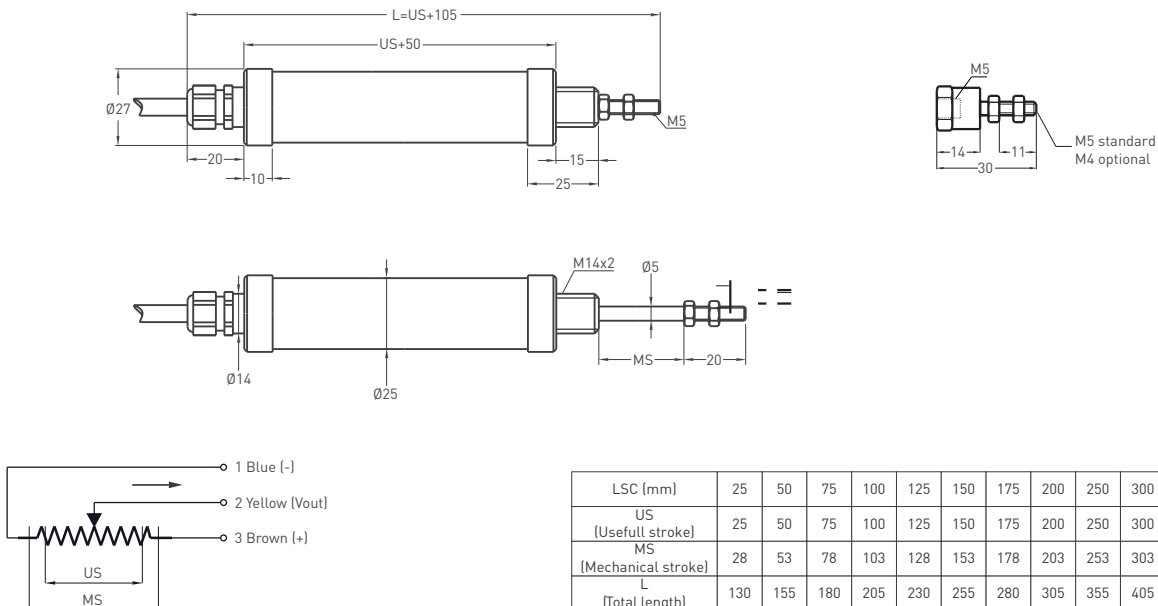
- Measuring range 25 - 400 mm
- $\pm 0.1\%$ linearity
- 100 million movements life
- < 0.01 mm repeatability



Technical Specifications

Measurement stroke	25 - 400 mm
Linearity	$\pm 0.05\%$ (> 200 mm), $\pm 0.1\%$ (130-200 mm), $\pm 0.2\%$ (75-129 mm), $\pm 0.5\%$ (< 75 mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	2 k Ω : 25 - 50 mm 5 k Ω : 75 - 400 mm
Resistance tolerance	$\pm 20\%$
Load resistance	100 k Ω min.
Recommended wiper current	< 1 μ A
Permissible applied voltage	28 VDC max.
Electrical connections	1 m cable (standard)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Case diameter	$\varnothing 25$ mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	$\varnothing 5$ mm
Mechanical fixing	Variable brackets
Protection level	IP 65
Operating temperature	-20°C ... $+80^{\circ}\text{C}$
Storage temperature	-30°C ... $+90^{\circ}\text{C}$

Mechanical Specifications



Ordering Procedure

Model	Measurement stroke (mm)	Linearity (%)	Resistance (k Ω)	Cable
LSC	175	D	5K	1M
LSC	25 - 400 mm	A : $\pm 0.5\%$ (< 75 mm), B : $\pm 0.2\%$ (75-129 mm), C : $\pm 0.1\%$ (130-200 mm), D : $\pm 0.05\%$ (> 200 mm)	2 k Ω : 25 - 50 mm 5 k Ω : 75 - 400 mm	1M : 1 meter cable (standard) 1M5 : 1,5 meter cable 2M5 : 2,5 meter cable