

Linear potentiometers

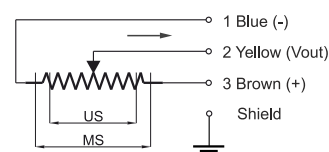
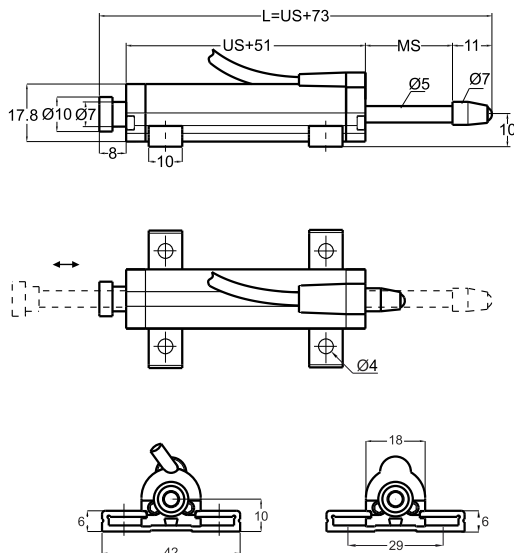
Internal spring return, Slim body series

- Measuring range 10 - 50 mm
- Long mechanical life
- Excellent repeatability <0.01 mm
- Infinite resolution



Technical specifications

Measurement stroke	10 to 50 mm
Linearity	$\pm 0,05\%$
Repeatability	< 0,01 mm
Resolution	Infinite
Resistance	2 KOhm
Resistance tolerance	$\pm 20\%$
Recommended cursor current	<1 μ A
Electrical connections	Cable 1m
Displacement speed	< 5 m/s
Mechanical life	100 million cycles
Case dimensions	$\varnothing 18$ mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	$\varnothing 5$ mm
Mechanical fixing	Variable brackets
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



SLPIS (mm)	10	25	50
US (Usefull Stroke)	10	25	50
MS (Mechanical Stroke)	14	29	54
L (Total Length)	83	98	123

Model	Measurement stroke (mm)	Linearity (%)	Resistance (KOhm)	Connector / Cable
(example) SLPIS	25	D	5K	1M
SLPIS	10 ... 50mm	D : $\pm 0,05$ (standard)	2K : 2 KOhm (10-25mm) 5K : 5 KOhm 10K : 10 KOhm	1M : 1 meter cable 1M5 : 1,5 meter cable