LPC

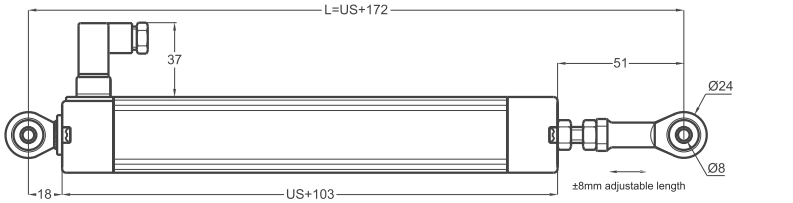
Linear Potentiometer

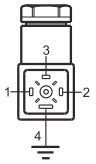
- Measuring range 50 - 800 mm
- Long mechanical life 100 million movements
- Excellent repeatability <0.01 mm
- Infinite resolution
- 5 kOhm : 50 ... 600 mm
  10 kOhm : 650 ... 800 mm



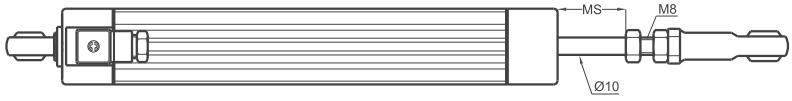
Technical specifications

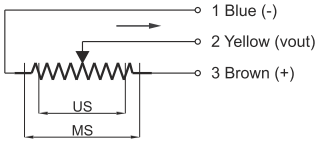
Measurement stroke	50 to 800 mm
Linearity	± %0,05 (>200 mm), ±%0,1 (130 - 200 mm), ±%0,2 (75 - 130 mm), ±%0,5 (<75 mm)
Repeatability	< 0,01 mm
Resolution	Infinite
Resistance	5 kOhm : 50 ... 600 mm 10 kOhm : 650 ... 800 mm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended cursor current	<1 µA
Permissible applied voltage	28 VDC max.
Electrical connections	4 pin connector (standard), cable (optional)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Case dimensions	Ø38 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø10 mm
Mechanical fixing	Ball joints on the both sides
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

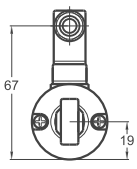


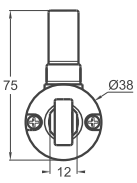


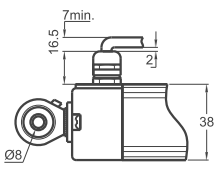
Connector type C2











Cable output (optional)

LPC (mm)	50	75	100	125	130	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	800
US (Usefull Stroke)	50	75	100	125	130	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	800
MS (Mechanical Stroke)	54	79	104	129	134	154	179	204	229	254	279	304	329	354	379	404	454	504	554	604	654	704	804
L (Total Length)	222	247	272	297	302	322	347	372	397	422	447	472	497	522	547	572	622	672	722	772	822	872	972

Model	Measurement stroke (mm)	Linearity (%)	Resistance (KOhm)	Connector / Cable
(example) LPC	500	D	5K	C2
LPC	50 ... 800 mm	D: ±%0,05 (>200 mm), ±%0,1 (130 - 200 mm), ±%0,2 (75 - 130 mm), ±%0,5 (<75 mm)	5K: 5 kOhm 10K: 10 kOhm	C2 : 4 pin connector 1M : 1 meter cable 2M5: 2,5 meter cable