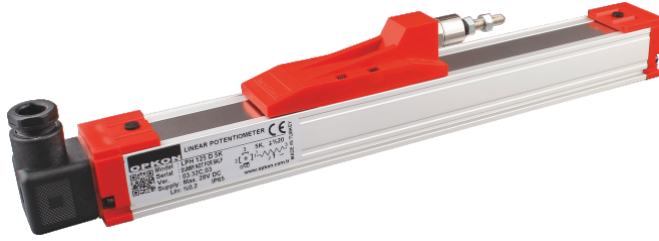


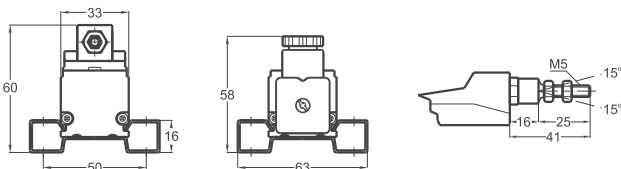
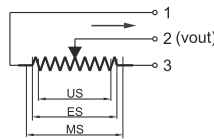
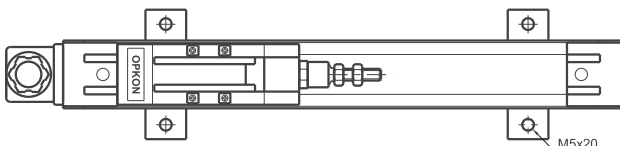
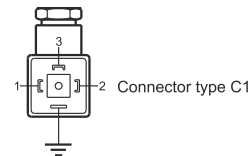
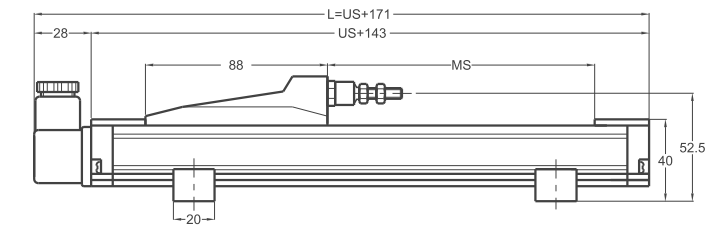
Linear Potentiometer

- Measuring range 100 - 2000 mm
- Long mechanical life 100 million movements
- Excellent repeatability <0.01 mm
- Infinite resolution
- 5 kOhm <650 mm,
650>= 10 kOhm <1250 mm,
1250>= 20 kOhm



Technical specifications

Measurement stroke	100 to 2000 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 <650 mm, 650>= 10 kOhm <1250 mm, 1250>= 20 kOhm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended cursor current	< 1 µA
Permissible applied voltage	28 VDC max.
Electrical connections	4 pin connector
Displacement speed	< 1,5 m/s
Mechanical life	100 million movement
Case dimensions	33 mm x 33 mm
Case material	Anodized aluminium
Mechanical fixing	Variable brackets
IP degree	IP 40 (if mounted upside down IP 53)
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



LPH (mm)	100	125	130	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800	850	900	1000	1250	1500	1750	2000
US (Usefull Stroke)	100	125	130	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800	850	900	1000	1250	1500	1750	2000
MS (Mechanical Stroke)	104	129	134	154	179	204	229	254	279	304	329	354	379	404	454	504	554	604	654	704	754	804	854	904	1004	1254	1504	1754	2004
L (Total Length)	271	296	301	321	346	371	396	421	446	471	496	521	546	571	621	671	721	771	821	871	921	971	1021	1071	1171	1421	1671	1921	2171

Model	Measurement stroke (mm)	Linearity (%)	Resistance (KOhm)	Connector / Cable
(example) LPH	500	D	5K	C1
LPH	100 ... 2000 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 20K: 20 KOhm	C1: 4 pin connector