

MOPH

Linear Potentiometer

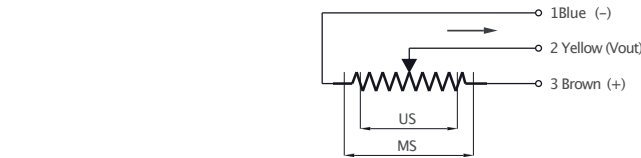
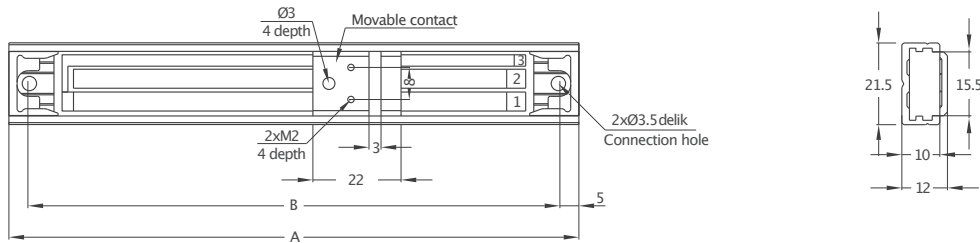
- Measuring range 50 – 1000mm
- 100million movements life
- Special teflon bearing system
- Infinite resolution
- 5 kOhm : 50 – 600 mm
- 10 kOhm : 650 – 1000mm



Technical Specifications

Measurement stroke	50 – 1000 mm
Linearity	±%0.05 (>200mm), ±%0.1 (130–200mm), ±%0.2 (75–130 mm), ±%0.5 (<75 mm)
Repeatability	<0.01 mm
Resolution	Infinite
Resistance	5 kOhm : 50 – 600 mm 10 kOhm : 650 – 1000mm
Resistance tolerance	±%20
Load resistance	100 kOhm min.
Recommended wiper current	<1 μA
Permissible applied voltage	28 VDC max.
Electrical connections	4 pin hydraulic type connector
Displacement speed	<5 m/s
Mechanical life	100million movements
Case diameter	21,5 mm x 10 mm
Case material	Anodized aluminium
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Mechanical Specifications



MOPH (mm)	50	100	150	200	250	300	400	450	500	550	600	650	700	750	800	850	900	1000
A ±1	100	150	200	250	300	350	450	500	550	600	650	700	750	800	850	900	950	1050
B ±05	90	140	190	240	290	340	440	490	540	590	640	690	740	790	840	890	940	1040

Ordering Procedure

Model	Measurement stroke (mm)	Linearity (%)	Resistance (kOhm)
MOPH	500	D	5K
MOPH	50 – 1000 mm	A: ±%0.5 (<75 mm) B: ±%0.2 (75–130mm) C: ±%0.1 (130–200 mm) D: ±%0.05 (>200mm)	5 kOhm : 50 – 600 mm 10 kOhm : 650 – 1000 mm