

Resistive Linear Position Transducer



- Measuring range 50 mm – 500 mm
- Long mechanical life 100.000.000 cycles
- Excellent repeatability
- Very low temperature drift
- Infinite resolution

Main Applications

Plastic / Metal Injection Moulding Machineries, Textile Machineries, Transfer / Hydraulic Machineries, Marble / Stone Machineries and General Automation Applications

Specifications

Resistance	5 Kohm or 10 Kohm
Resistance tolerance	± %20
Linearity	± %0,5 ; ± %0,1 ; ± %0,05
Repeatability	≤ %0.01
Load resistance	Min. 100 Kohm
Recommended cursor current	< 1 µA
Permissible applied voltage	28 VDC
Electrical connections	4 Pole, Hydraulic type
Mechanical stroke	50 to 500 mm
Mechanical life	100 * 10 ⁶ Cycles
Displacement speed	≤ 5 m/s
Rod diameter	6 mm
Rod material	Stainless steel
Case material	Anodized aluminium
Mechanical fixing	2 Ball joints
IP Degree	IP 67
Working temperature	- 20 / + 80 °C

Dimensions

Model	LM	Mechanical Stroke (MS)	Electrical Measuring Stroke (EMS)	Total Length (L)
LPM	50	52 mm	50 mm	220 mm
LPM	100	102 mm	100 mm	270 mm
LPM	125	127 mm	125 mm	295 mm
LPM	150	152 mm	150 mm	320 mm
LPM	175	177 mm	175 mm	345 mm
LPM	200	202 mm	200 mm	370 mm
LPM	225	227 mm	225 mm	395 mm
LPM	250	252 mm	250 mm	420 mm
LPM	275	277 mm	275 mm	445 mm
LPM	300	302 mm	300 mm	470 mm
LPM	325	327 mm	325 mm	495 mm
LPM	350	352 mm	350 mm	520 mm
LPM	375	377 mm	375 mm	545 mm
LPM	400	402 mm	400 mm	570 mm
LPM	450	452 mm	450 mm	620 mm
LPM	500	502 mm	500 mm	670 mm

Mechanical Dimensions

