

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	10 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)
LPC	50	52 mm	50 mm	222 mm
LPC	100	102 mm	100 mm	272 mm
LPC	125	127 mm	125 mm	297 mm
LPC	150	152 mm	150 mm	322 mm
LPC	175	177 mm	175 mm	347 mm
LPC	200	202 mm	200 mm	372 mm
LPC	225	227 mm	225 mm	397 mm
LPC	250	252 mm	250 mm	422 mm
LPC	275	277 mm	275 mm	447 mm
LPC	300	302 mm	300 mm	472 mm
LPC	325	327 mm	325 mm	497 mm
LPC	350	352 mm	350 mm	522 mm
LPC	375	377 mm	375 mm	547 mm
LPC	400	402 mm	400 mm	572 mm
LPC	450	452 mm	450 mm	622 mm
LPC	500	502 mm	500 mm	672 mm

Mechanical Dimensions

