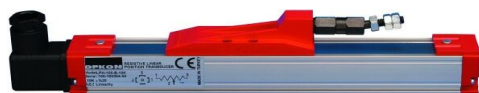


Resistive Linear Position Transducer



- Measuring range 100mm – 1250mm
- 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

Mechanical stroke	100mm to 1250mm
Linearity	± %0,05
Resolution	Infinite
Resistance output	5 Kohm or 10 Kohm
Resistance tolerance	± %20
Load resistance	Min. 100 Kohm
Repeatability	≤ %0.01
Mechanical life	100 * 10 ⁶ Cycles
Displacement speed	≤ 1,5 m/s
Permissible applied voltage	28 VDC max
Recommended cursor current	< 1 µA
Electrical connections	4 Pole connector
Case dimensions	33mm x 33mm
Case material	Anodized aluminium
IP Degree	IP 40 - If mounted upside down IP 53
Working temperature	- 20 / + 80 °C
Mechanical fixing	Variable brackets

Dimensions

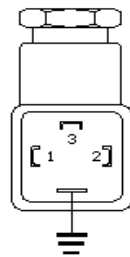
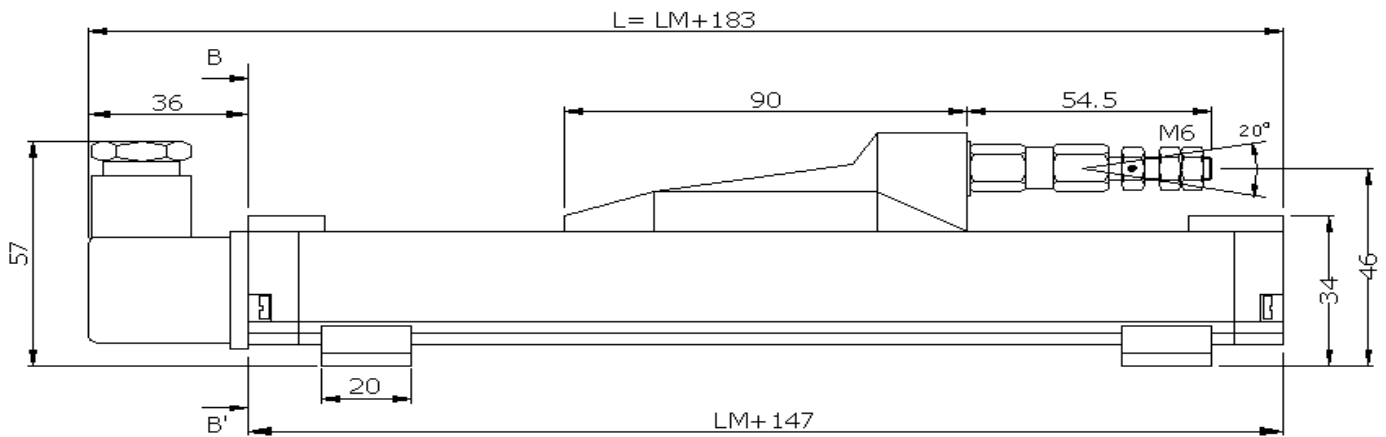
Model	LM	Mechanical stroke (MS)	Electrical measuring stroke (EMS)	Total lenght (L)
LPH	100	102mm	100mm	283mm
LPH	125	127 mm	125mm	308mm
LPH	130	132mm	130mm	313mm
LPH	150	152mm	150mm	333mm
LPH	175	177mm	175mm	358mm
LPH	200	202mm	200mm	383mm
LPH	225	227mm	225mm	408mm
LPH	250	252mm	250mm	433mm
LPH	275	277mm	275mm	458mm
LPH	300	302mm	300mm	483mm
LPH	325	327mm	325mm	508mm
LPH	350	352mm	350mm	533mm
LPH	375	377mm	375mm	558mm
LPH	400	402mm	400mm	583mm
LPH	450	452mm	450mm	633mm
LPH	500	502mm	500mm	683mm
LPH	550	552mm	550mm	733mm
LPH	600	602mm	600mm	783mm
LPH	650	652mm	650mm	833mm
LPH	700	702mm	700mm	883mm
LPH	750	752mm	750mm	933mm
LPH	800	802mm	800mm	983mm
LPH	850	852mm	850mm	1033mm
LPH	900	902mm	900mm	1083mm
LPH	1000	1002mm	1000mm	1183mm
LPH	1250	1252mm	1250mm	1433mm

Ordering Procedure

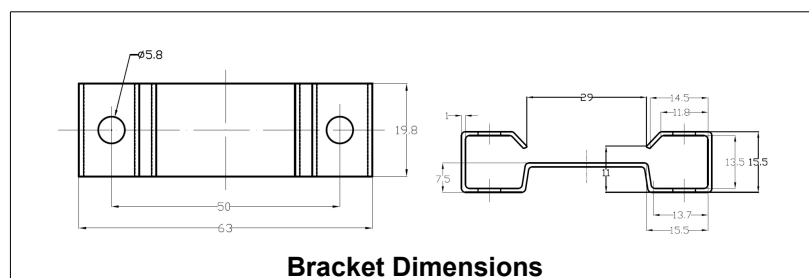
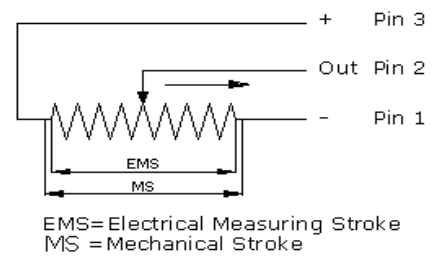
LPH	1250	D	10K
<u>Model</u>	<u>Measurement Stroke</u>	<u>Linearity Class</u>	<u>Kohm Value</u>
		D: 0,05 %	5K: 5 KΩ 10K: 10 KΩ

Resistive Linear Position Transducer

Mechanical Dimension



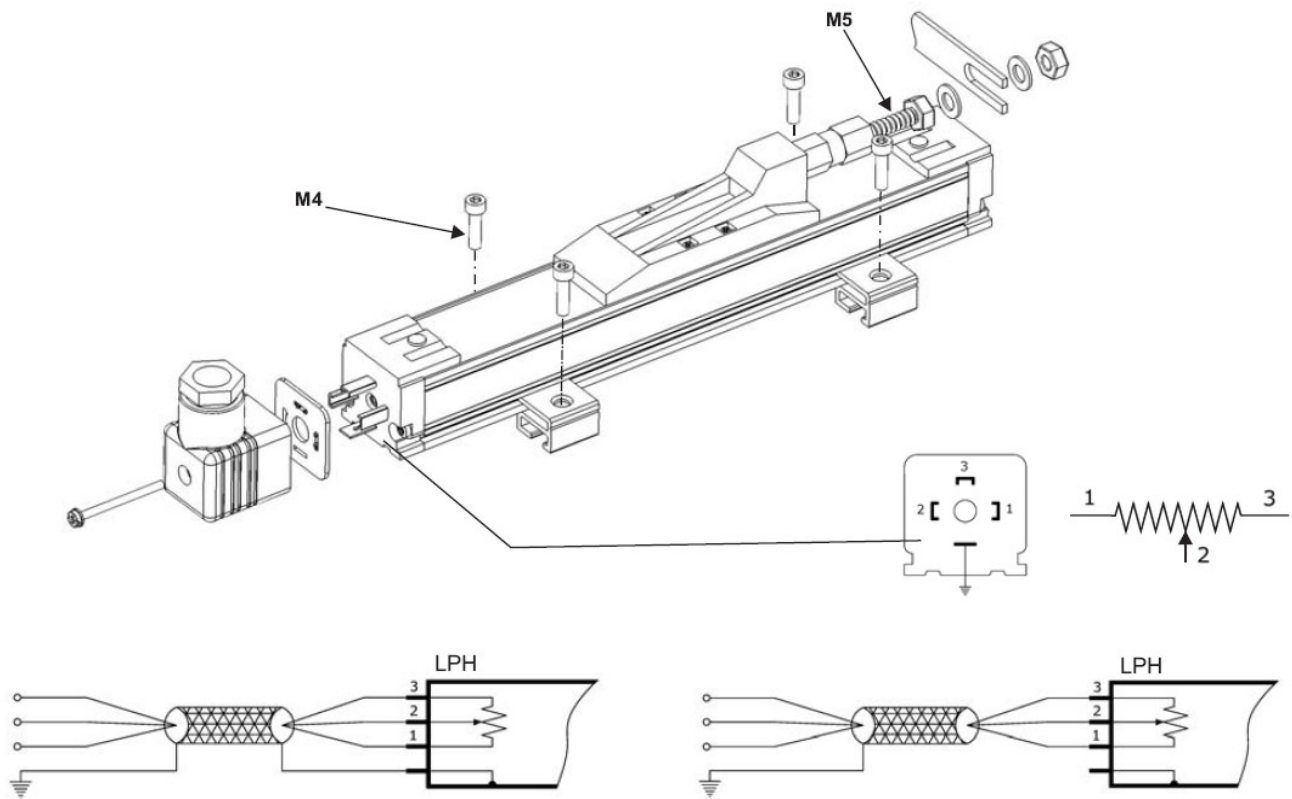
Electrical Connector



Bracket Dimensions

Resistive Linear Position Transducer

User Guide



Electrical connections.

- Warranty claims can only be valid if the unit is kept unopened. Opening any of the screws on the body will cancel all warranty claims.
- Users are responsible for any damage caused by misuse of the transducer.
- Users are reminded that wrong centering of the upper slider part may cause permanent damage to the transducer and it would decrease the mechanical life of the transducer dramatically.