

## Resistive Linear Position Transducer



- Measuring range 50mm – 1250mm
- Long mechanical life 100.000.000 cycles
- Excellent repeatability
- Very low temperature drift
- Infinite resolution

### Main Applications

Metal Forming Machineries, Textile Machineries, Packing Machineries, Printing Machineries, Marble/ Stone Machineries and General Automation Applications

### Specifications

Mechanical stroke	50mm to 1250mm
Linearity	± %0,05
Resolution	Infinite
Resistance output	5 Kohm or 10 Kohm
Resistance tolerance	± %20
Load resistance	Min. 10 Kohm
Repeatability	≤ %0.01
Mechanical life	100 * 10 <sup>6</sup> Cycles
Displacement speed	≤ 5 m/s
Permissible applied voltage	28 VDC max
Recommended cursor current	< 1 μA
Electrical connections	4 Pole connector
Case dimensions	Ø 38mm
Case material	Anodized aluminium
Rod diameter	10mm
Rod material	Stainless steel
IP Degree	IP 65
Working temperature	- 20 / + 80 °C
Mechanical fixing	2 Ball joints

### Dimensions

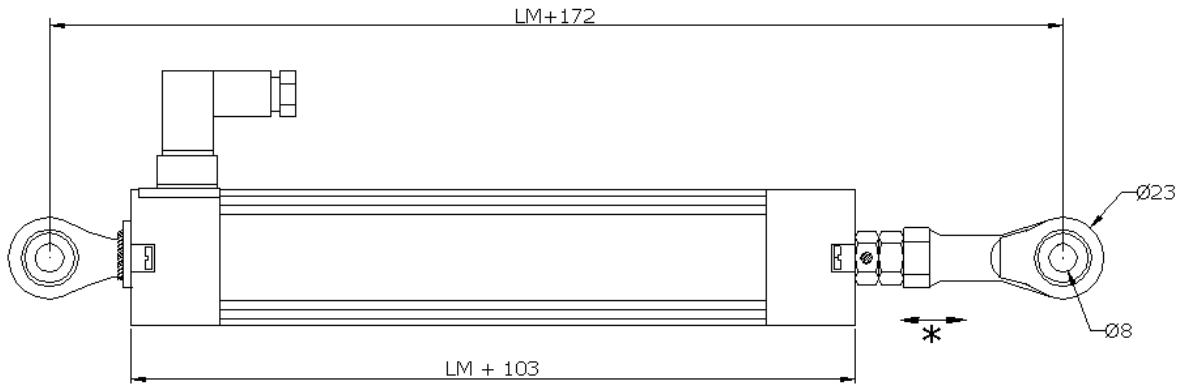
Model	LM	Mechanical stroke (MS)	Electrical measuring stroke (EMS)	Total length (L)
LPC	50	52mm	50mm	222mm
LPC	75	77mm	75mm	172mm
LPC	100	102mm	100mm	272mm
LPC	125	127mm	125mm	297mm
LPC	130	132mm	130mm	257mm
LPC	150	152mm	150mm	322mm
LPC	175	177mm	175mm	347mm
LPC	200	202mm	200mm	372mm
LPC	225	227mm	225mm	397mm
LPC	250	252mm	250mm	422mm
LPC	275	277mm	275mm	447mm
LPC	300	302mm	300mm	472mm
LPC	325	327mm	325mm	497mm
LPC	350	352mm	350mm	522mm
LPC	375	377mm	375mm	547mm
LPC	400	402mm	400mm	572mm
LPC	450	452mm	450mm	622mm
LPC	500	502mm	500mm	672mm
LPC	550	552mm	550mm	622mm
LPC	600	602mm	600mm	672mm

### Ordering Procedure

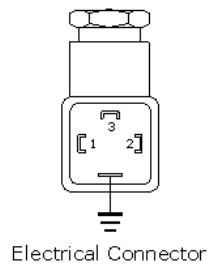
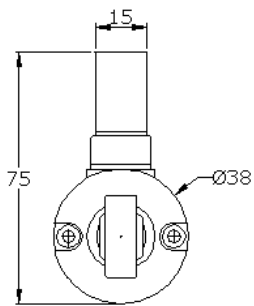
LPC	200	D	5K
<u>Model</u>	<u>Measurement Stroke</u>	<u>Linearity Class</u>	<u>Kohm Value</u>
		D: 0,05 %	5K: 5 KΩ 10K: 10 KΩ

**Resistive Linear Position Transducer**

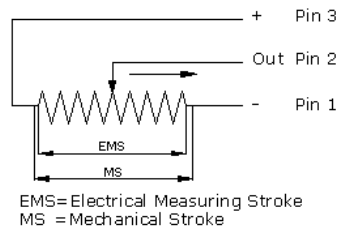
**Mechanical Dimension**



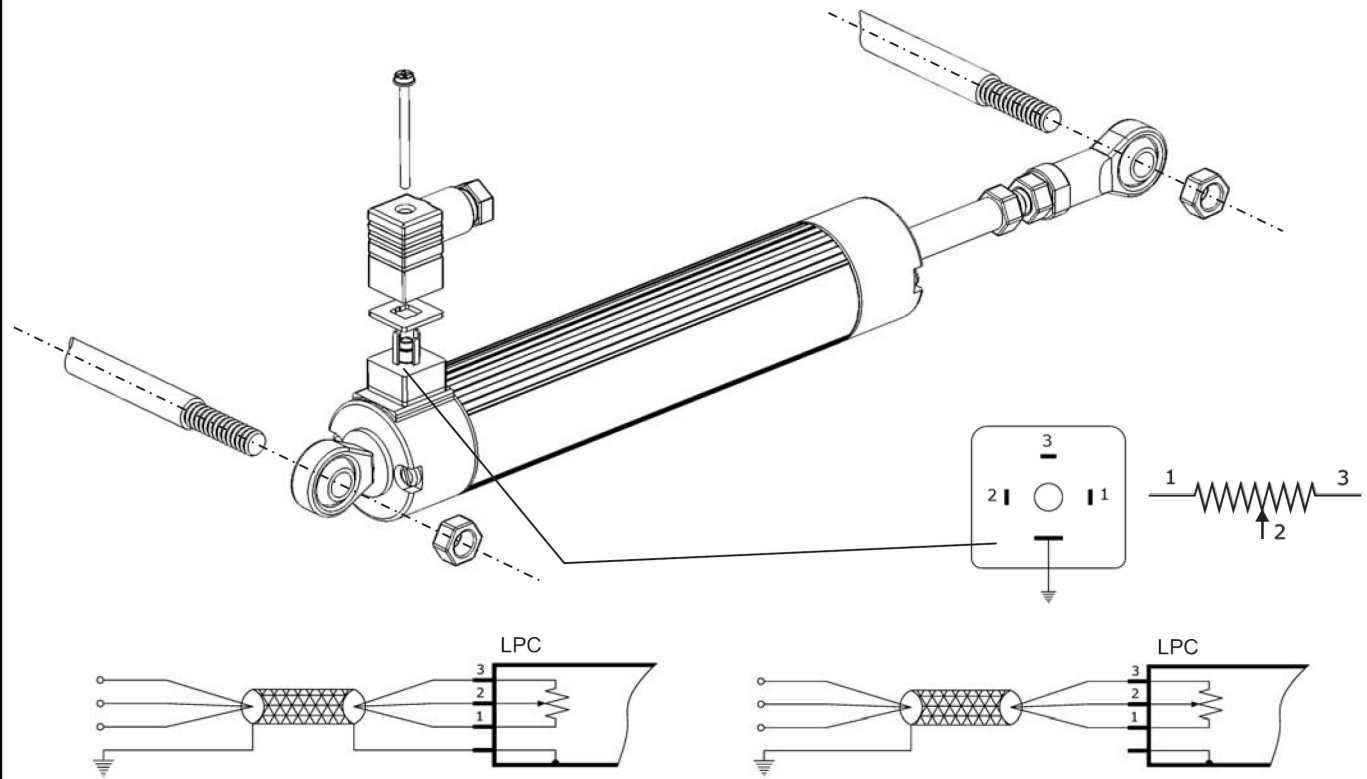
\* (LM+172) - (LM+180)



Electrical Connector



**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 rod may cause permanent damage to the transducer and it would decrease the mechanical life of the transducer dramatically.