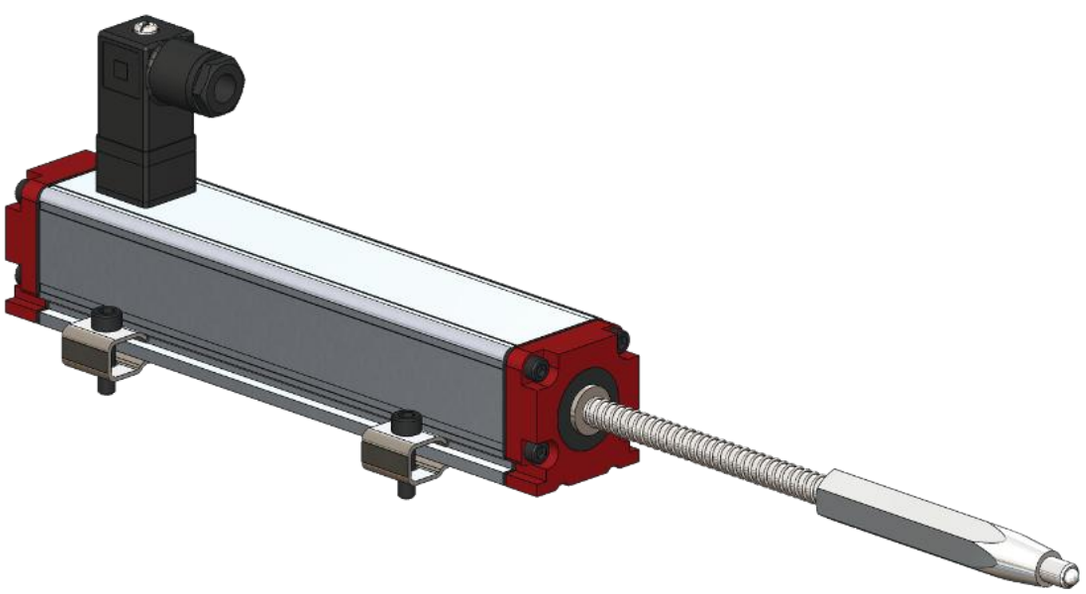
OPKON
Sense the motion

LPS

Linear Potentiometer

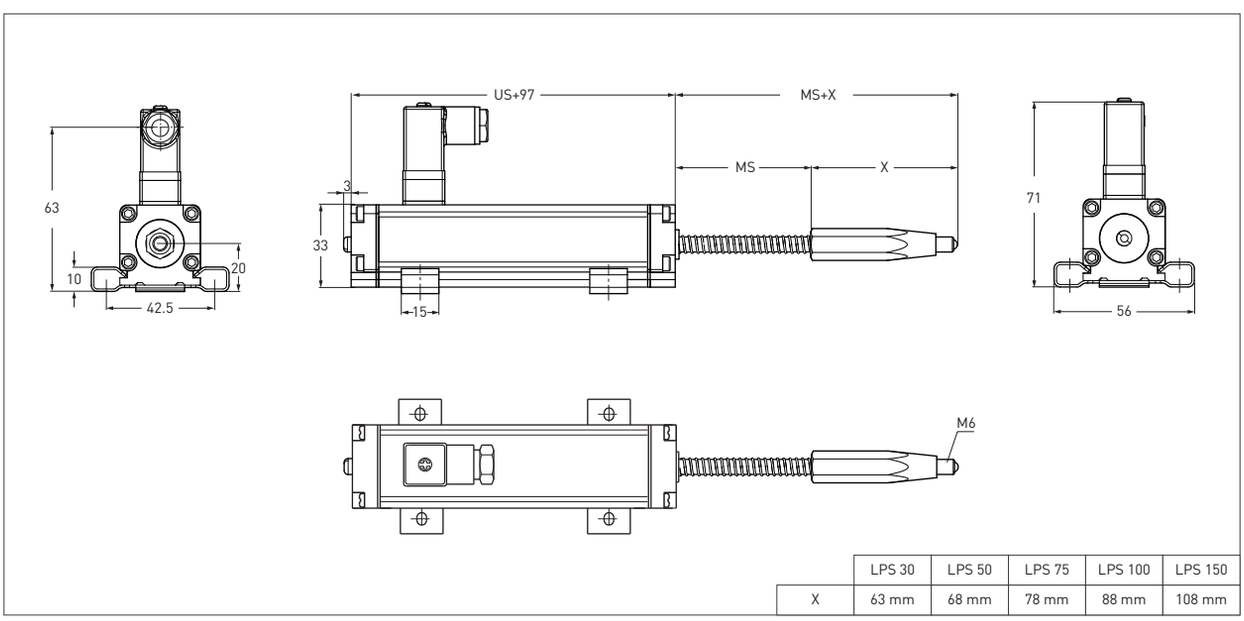
Spring Return 30 - 150 mm



1.TECHNICAL SPECIFICATIONS

Measurement stroke	30 - 150 mm
Resolution	Infinite
Repeatability	< 0.01 mm
Permissible applied voltage	28 VDC max.
Electrical connections	CH2: Hydraulic type, 4 pin connector output (standard)
Displacement speed	< 5 m/s
Mechanical life	50 million movement
Protection level	IP 40
Resistance	5 kOhm: 30 - 150 mm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended wiper current	<1 µA
Linearity	A: ±%0.5 (≤75 mm) B: ±%0.2 (100 - 125 mm) C: ±%0.1 (130 - 150 mm)
Case dimensions	33 mm x 33 mm
Case material	Anodized aluminium
Caps material	ABS Plastic
Rod material	Stainless steel AISI 303
Rod diameter	Ø6 mm
Mechanical fixing	Variable brackets
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

2.MECHANICAL SPECIFICATIONS

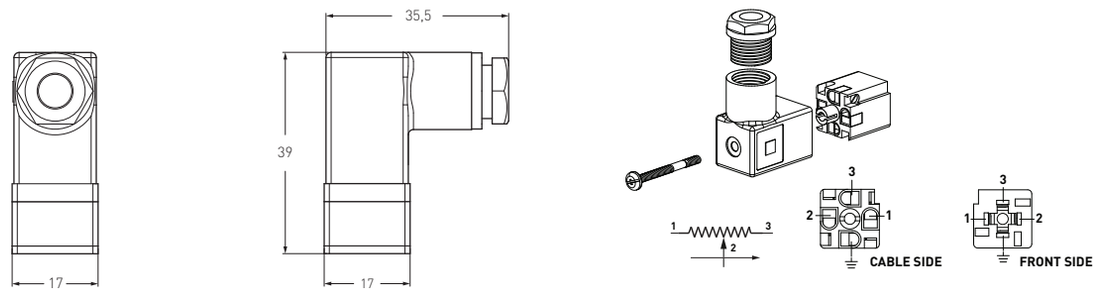


	LPS 30	LPS 50	LPS 75	LPS 100	LPS 150
X	63 mm	68 mm	78 mm	88 mm	108 mm

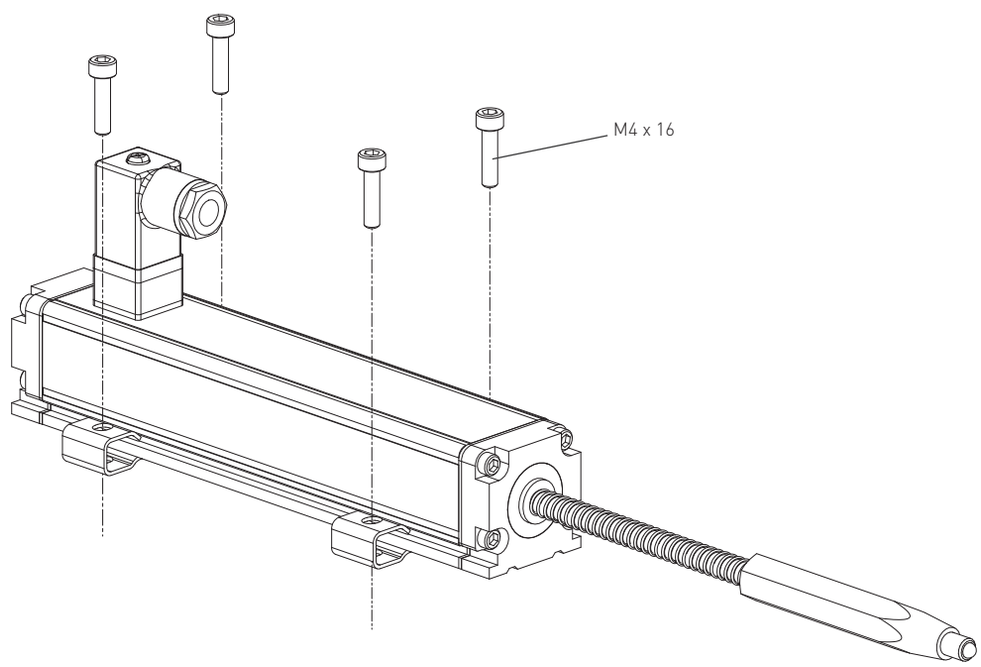
LPS (mm)		30	50	75	100	125	150
US (Usefull stroke)	-0 / +1	30	50	75	100	125	150
MS (Mechanical stroke)	± 1	34	54	79	104	129	154
L (Total length)	± 1	227	272	332	392	452	512

3.CONNECTOR

CH2: Hydraulic type, 4 pin connector output (standard)



4.ASSEMBLY



5.ORDERING PROCEDURE

1	**Model**
	LPS: Linear Potentiometer Long Stroke Series
2	**Measuring range**
	30 - 150 mm
3	**Linearity**
	A: ±%0.5 (≤75 mm)
	B: ±%0.2 (100 - 125 mm)
	C: ±%0.1 (130 - 150 mm)
4	**Resistance (kOhm)**
	5K: 5 kOhm (30 - 150 mm)
5	**Connector**
	CH2: Hydraulic type, 4 pin connector output (standard)

For example:

LPS	175	A	5K	CH2
1	**2**	**3**	**4**	**5**

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Headquarter, R&D, Production

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