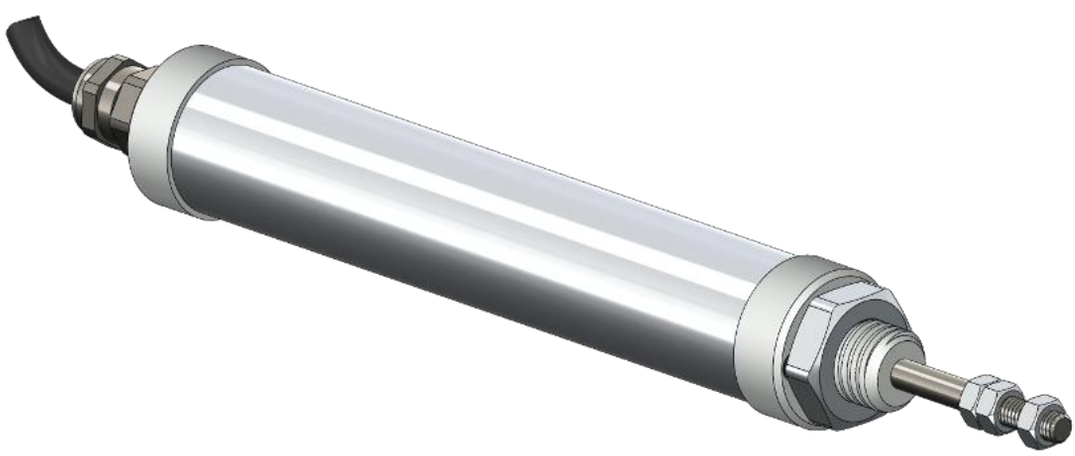
OPKON
Sense the motion

LSC

Linear Potentiometer

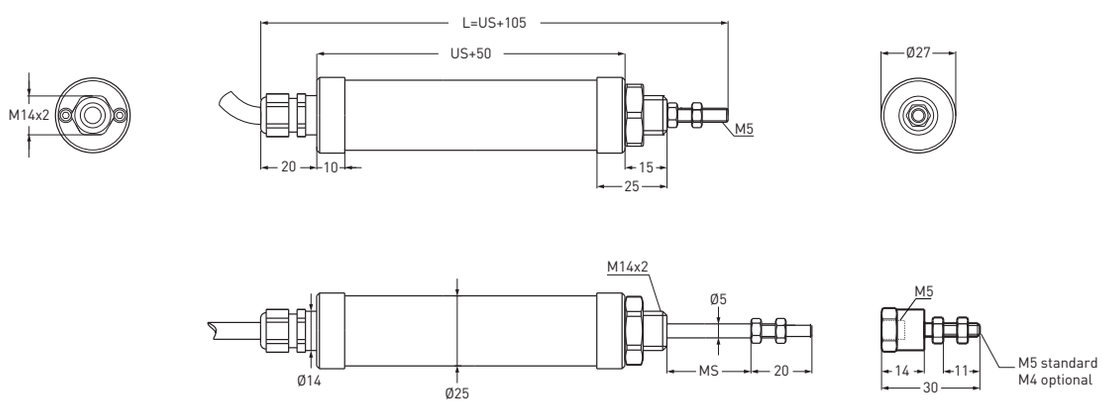
Long Stroke Series 25 - 400 mm



1.TECHNICAL SPECIFICATIONS

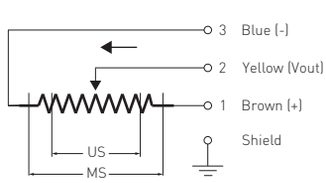
Measurement stroke	25 - 400 mm
Resolution	Infinite
Repeatability	< 0.01 mm
Permissible applied voltage	28 VDC max.
Electrical connections	Cable output (standard)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Protection level	IP 53
Resistance	2 kOhm: 25 - 50 mm 5 kOhm: 75 - 400 mm
Resistance 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 - 225 mm) D: ±%0.05 (⩾250 mm)
Case dimensions	Ø25 mm
Body and case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø5 mm
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

2.MECHANICAL SPECIFICATIONS



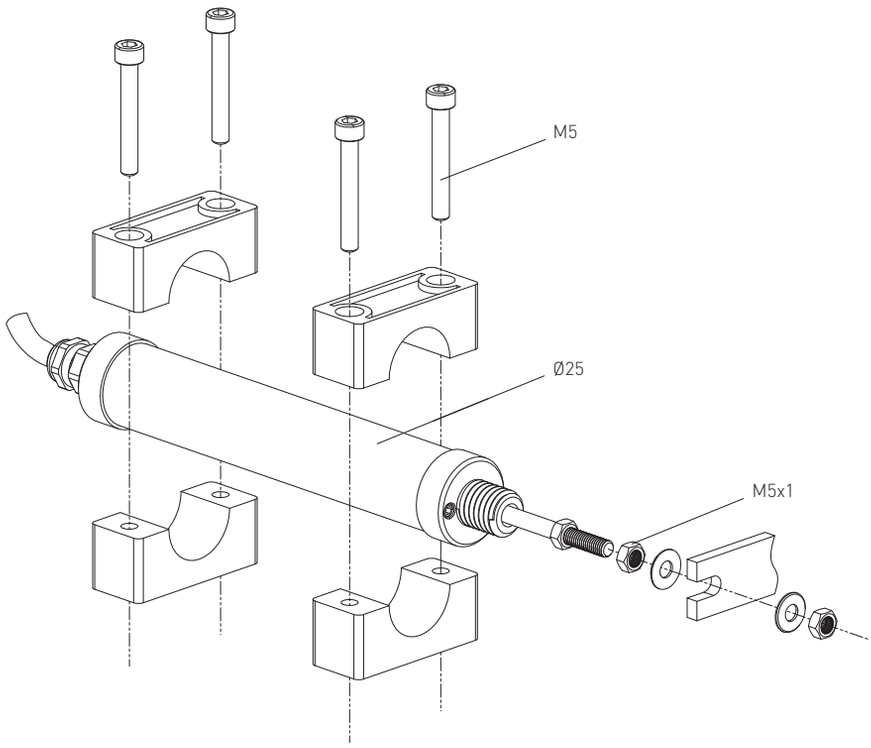
LSC (mm)	25	50	75	100	125	150	175	200	250	300	350	400
US (Usefull stroke)	25	50	75	100	125	150	175	200	250	300	350	400
MS (Mechanical stroke)	28	53	78	103	128	153	178	203	253	303	353	403
L (Total length)	130	155	180	205	230	255	280	305	355	405	455	505

Cable colors

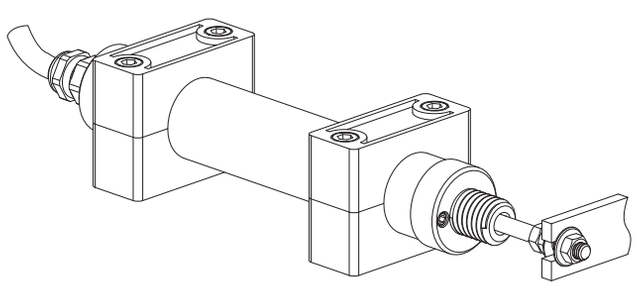


3.ASSEMBLY-1

3.1

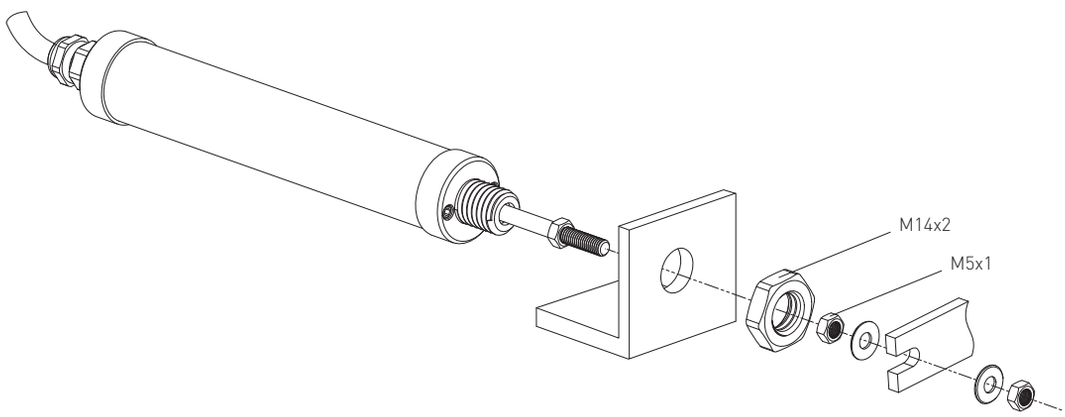


3.2

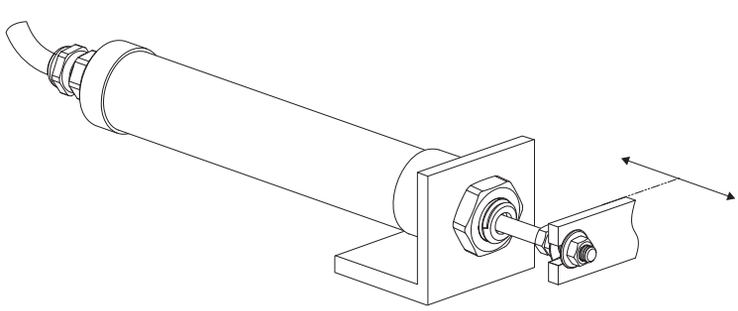


4.ASSEMBLY-2

4.1



4.2



5.ORDERING PROCEDURE

1	**Model**
	LSC: Linear Potentiometer Long Stroke Series
2	**Measuring range**
	25 - 400 mm
3	**Linearity**
	A: ±%0.5 (≤75 mm)
	B: ±%0.2 (100 - 125 mm)
	C: ±%0.1 (130 - 225 mm)
	D: ±%0.05 (≥250 mm)
4	**Resistance (kOhm)**
	2K: 2 kOhm (25 - 50 mm)
	5K: 5 kOhm (75 - 400 mm)
5	**Cable**
	1M: 1 meter cable (standard)
	1M5: 1.5 meter cable (optional)
	2M5: 2.5 meter cable (optional)

For example:

LSC	175	D	5K	1M
1	**2**	**3**	**4**	**5**

TÜRKİYE
Headquarter, R&D, Production

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