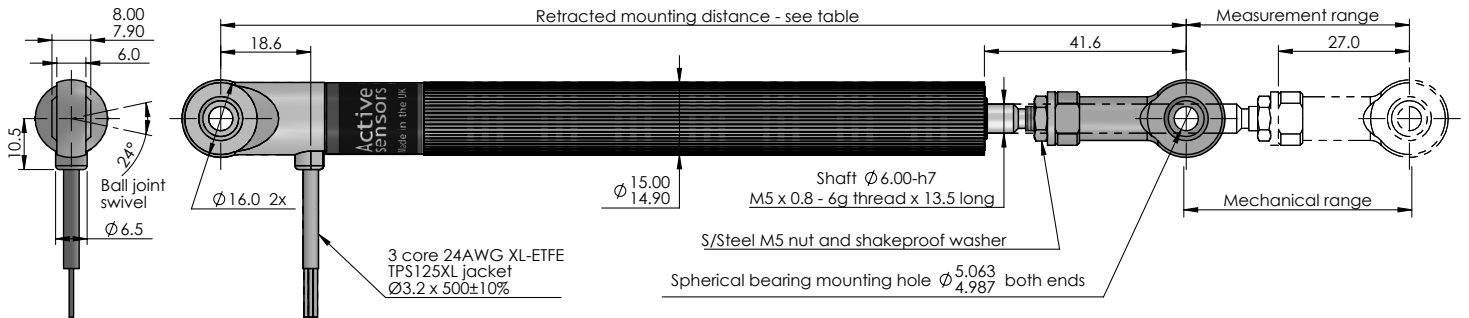


SLS1500 Series - Linear potentiometer

Single element, Ø15mm Case, Ø5mm Shaft

Dimensions



Ordering code

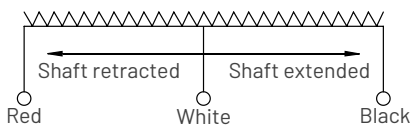
SLS1522-3-XXX

Measurement range in mm

Electrical and mechanical specification

Parameters	Values												Units	
Measurement range (±0.5mm)	075	100	125	150	175	200	225	250	275	300	325	350	mm	
Retracted mounting distance	199	224	249	274	299	324	349	374	399	424	449	474	mm	
Resistance (typical)	3	4	5	6	7	8	9	10	11	12	13	14	Kohms	
Non-linearity (Note 3)	<±0.15												%FS	
Applied voltage	<66	<88	<110	<130									Vdc	
Wiper load	>500			>600	>700	>800	>900	>1000	>1100	>1200	>1300	>1400	Kohms	
Mechanical range (±0.5mm)	Measurement Range +2												mm	
Shaft velocity	<10												m/s	
Insulation resistance (at 500V DC.)	>100												Mohms	
Operating temperature range	-30 to +125												°C	
Sealing	IP65												-	
Shaft operation force (typical)	200												grams	
Weight (approx.)	106	116	126	136	146	156	166	176	186	196	206	216	grams	
Materials	Sensor	Case: Anodised aluminium 6063 T5, Shaft: Stainless steel 303												
	Rod-ends	Housing: 30% glass filled PBT, Spherical Ball: Nickel plated steel, Race: Gr nylon												

Electrical connections (see note 1, 2)



Notes

1. SLS sensors should be used as voltage dividers only.
2. Incorrect wiring may cause internal damage to the sensor.
3. General dimension tolerance is ±0.25mm.
4. Non-linearity error is calculated by least squares best fit method.