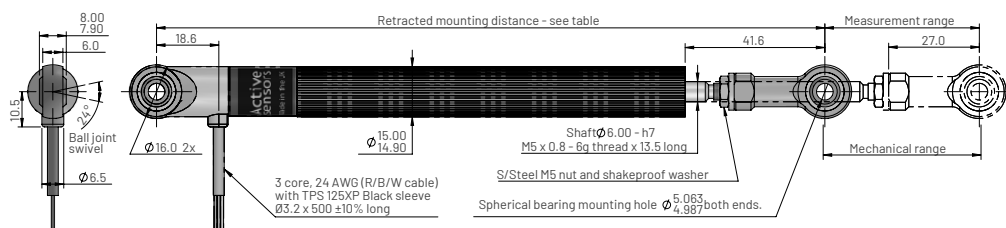


MLS1522-1 High Performance Linear Potentiometers

5mm rod-end mounting, Ultra-robust 15mm body diameter, 75mm to 350mm measurement range

Active
sensors



Ordering information

MLS1522-1-XXX

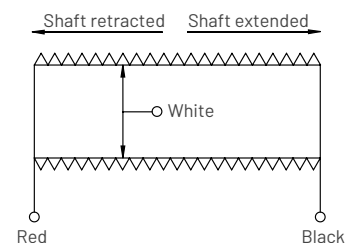
Measurement range in mm

Parameters	Values												Units
Measurement range (±0.5mm)	75	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)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	Kohms
Non-linearity	<±0.15												%FS
Applied voltage	<66	<88	<110	<130									VDC
Wiper load	>500								>550	>600	>650	>700	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	IP66												
Shaft operation force (typical)	200												grams
Weight (approx.)	108	118	128	138	148	158	168	178	188	198	208	218	grams
Materials	Case: Anodised aluminium 6063 T5, Shaft: Stainless steel 303												

Notes

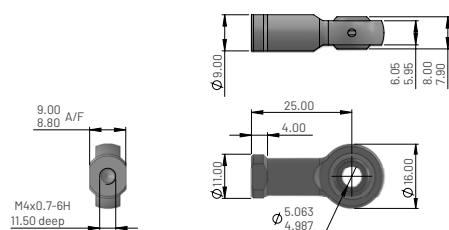
1. MLS sensors should be used as voltage dividers only.
2. Incorrect wiring may cause internal damage to the sensor.
3. General dimension tolerance is ±0.25mm.

Electrical connections (see note 2)



Accessories

5mm rod end PT1322-0104-19



Material	
Housing	Aluminium alloy, anodised black
Ball	Steel BS970 230M07, electroless nickel plated
Race	Gr nylon
Temperature rating: -35°C to +170°C	