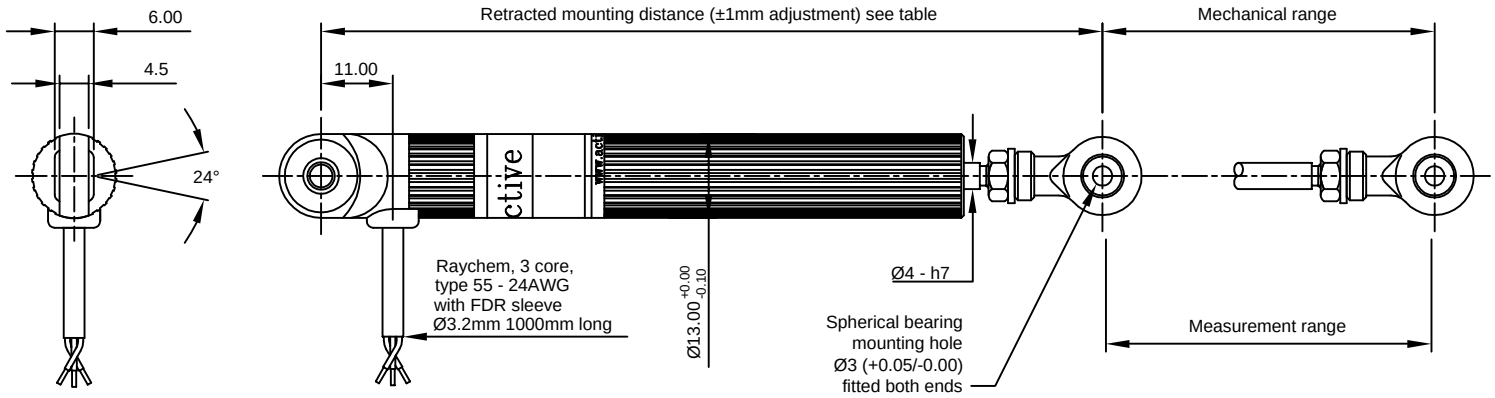
CLS1312

Linear Potentiometer

Not to Scale
Dims: mm



These high performance, high temperature linear potentiometers are designed for the most demanding control and measurement applications.

They are constructed from aluminum alloy and stainless steel for high strength and durability, yet are lightweight in design, making them ideal for motor racing, automotive and general industrial applications.

The sensors are sealed to IP66 as standard and feature fire and chemical resistant high temperature Raychem FDR-type55-24 signal cabling ensuring total system reliability. The physical design of these slim body linear potentiometers enables their survival in the severest of environmental conditions.

Other models in this range

CLS0950 - Ultra slim and compact
CLS1311 - Body clamp
CLS1313 - Spring loaded shaft
CLS1321 - Body clamp mounting
CLS1322 - Rod end mounting
CLS1323 - Spring loaded shaft
CLS1324 - Extended shaft model (+25mm)
CLS1325 - Extended shaft model (+50mm)
CLS1326 - Threaded both ends of shaft
CLS1328 - Extended shaft model (+41.5mm)
CLS1920 - Robust medium stroke
CLS3220 - Industrial long stroke

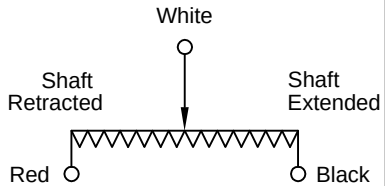
Higher temperature models also available
(Please contact technical sales)

Electrical & Mechanical Information

Measurement range	(±0.5mm)	25	30	50	75	mm
Retracted mounting distance		95	100	120	145	mm
Resistance	(Typical)	1	1.2	2	3	kohms
Non-linearity		<±0.25				%
Applied voltage		<22	<27	<45	<67	Volts
Wiper load		>500				kohms
Mechanical range		Measurement range +1				mm
Shaft velocity		<10				m/sec
Insulation resistance (at 500V dc.)		>100				Mohms
Operating temp. range		-30° to +125°				°C
Sealing		IP66				
Shaft operating force		200 (typical)				grams
Weight. (approx.)		60	61	66	72	grams

Note 1: Incorrect wiring may cause internal damage to the sensor. Note 2: Circuit recommendation: Due to the presence of a high contact resistance, these potentiometers should be used as voltage dividers only. Operation with wiper circuits of low impedance will degrade the output signal.

Electrical Connections (See Note 2)



Ordering Information

CLS1312-XXX

Measurement range in mm

Active sensors
DSPM Industria
sensori & trasduttori

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