CLS0952

Linear Potentiometer

These high performance ultra slim 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.

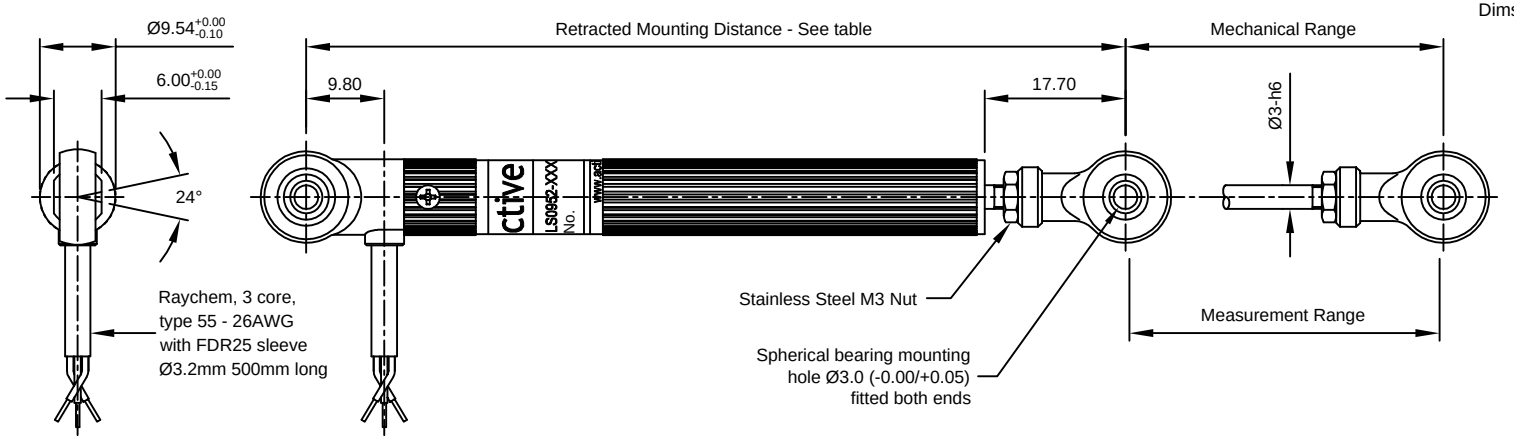
The sensors are sealed to IP66 as standard and feature fire and chemical resistant high temperature Raychem FDR-type55-24 signal cabling ensuring total system reliability. The physical design of these slim body linear potentiometers enables their survival in the severest of environmental conditions.

Other models in this range

CLS0951 - Body clamp mounting
CLS0953 - Body clamp mounting/sprung shaft
CLS0956 - M3 threaded mounting
CLS0957 - Body clamp mounting/rear cable exit
CLS1312 - Rod end mounting
CLS1313 - Spring loaded shaft
CLS1322 - Rod end mounting
CLS1323 - Spring loaded shaft
CLS1922 - Rod end mounting
CLS1924 - Extended shaft model (+25mm)
CLS1925 - Extended shaft model (+50mm)
CLS3220 - Industrial long stroke

Higher temperature models also available
(Please contact technical sales)

Not to Scale
Dims: mm

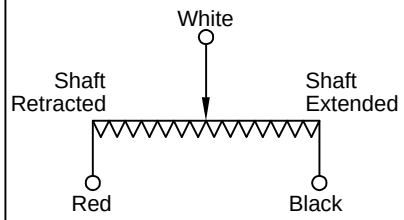


Electrical & Mechanical Information

Measurement Range	(±0.5mm)	10	20	30	40	50	75	100	mm
Retracted Mounting Distance		78	83	93	103	113	138	163	mm
Resistance	(Typical)	0.4	0.8	1.2	1.6	2	3	4	Kohms
Non-Linearity		<±0.25	<±0.25	<±0.25	<±0.25	<±0.25	<±0.15	<±0.15	%
Applied Voltage		<15	<22	<30	<37	<45	<65	<90	Volts
Wiper Load		>500	>500	>500	>500	>500	>500	>500	Kohms
Mechanical Range		Measurement Range +1							mm
Shaft Velocity		<10							m/sec
Insulation Resistance (at 500V dc.)		>100							Mohms
Operating Temperature Range		-30° to +125°							°C
Sealing		IP66							
Shaft Operating Force		200 (typical)							grams
Weight. (approx.)		60	66	72	78	85	90	96	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

CLS0952-XXX

Measurement range in mm

Active sensors
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sensori & trasduttori
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