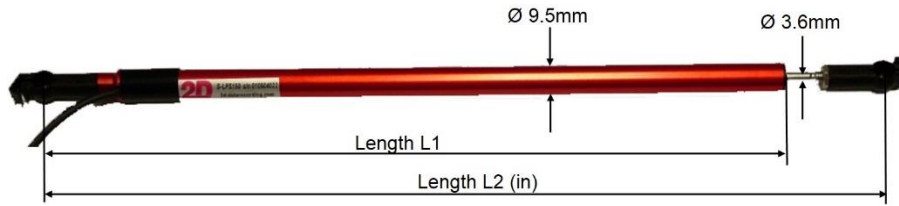


SA-LP150S-330

Linear potentiometer slim body, 150 mm



Electrical stroke	Length L1	Length L2 (in)	Length L2 (out)
150	236	260	410

All values in [mm]; tolerance ± 1 mm

Features:

- Linear potentiometers are designed to convert linear movement into a proportional voltage output using a simple 3-wire, low current operating circuit
- Particularly developed for motorcycling
- Very good relationship between size, weight and stroke:
 - Very small body ($\varnothing=9.5$ mm)
 - Small weight
- Vibration-resistant by using absorbed sliders
- Suitably for rough environment

Technical specifications

Electrical characteristics			Mechanical characteristics		
Possible mechanical strokes	mm	150	Dimensions		
Impedance	k Ω	10	Diameter \varnothing	mm	9.5
Supply voltage	V DC	5	Length L2 (in)	mm	260
Maximum supply voltage	V DC	42	Weight	g	44
Linear output voltage		Yes	Cable & Connector		
Linearity	%	± 0.5	Type		Raychem 55M
Isolation (500 V DC)	M Ω	>100	Wire cross section		3x AWG24
Recommended "slider current"	μ A	<10	Length		200
			Connector		JST JWPF 3PM
Vibration resistance			Operation life	Cycles	>25 millions
Shock	G	40	Maximum moving speed	m/s	10
during a time period of	ms	10			
Vibration tested @	G	12			
with	Hz	1000			
			Environmental		
			Sealing class		IP67
			Operating temperature	$^{\circ}$ C	-30 to +140
			Humidity	%	

Ordering information
 Art.No. SA-LP150S-330

Connector layout

Connector type

JST JWPF 3PM

Pin	Name	Description	Color
1	AGND	Analog Ground	Black
2	+5 V	Power supply	Green
3	Signal	Analog signal	White



1
2
3 front view