

LPT 50-175

Linear potentiometer

Measurement range 50-175

Description

The LPT50-175 series, with a measurement range from 50 to 175 mm, is a family of linear potentiometer designed for racing and automotive applications.

The potentiometer is made of aluminum alloy and stainless steel, with Raychem FDR type 55 - 22AWG cable.

Resistant to high temperature, fire, chemical, LPT50-175 is particularly suited in the harsh automotive environment.

The user can adjust the cable length (1 m max) for his application and this can be done contacting the company.



Main Features

- Resistant to high temperatures, fire and chemical
- Cable length to customer requirements
- Constructed from aluminum alloy and stainless steel
- High strength and durability

Benefits

- Wide application range
- Lightweight design
- High reliability
- Designed for rugged applications

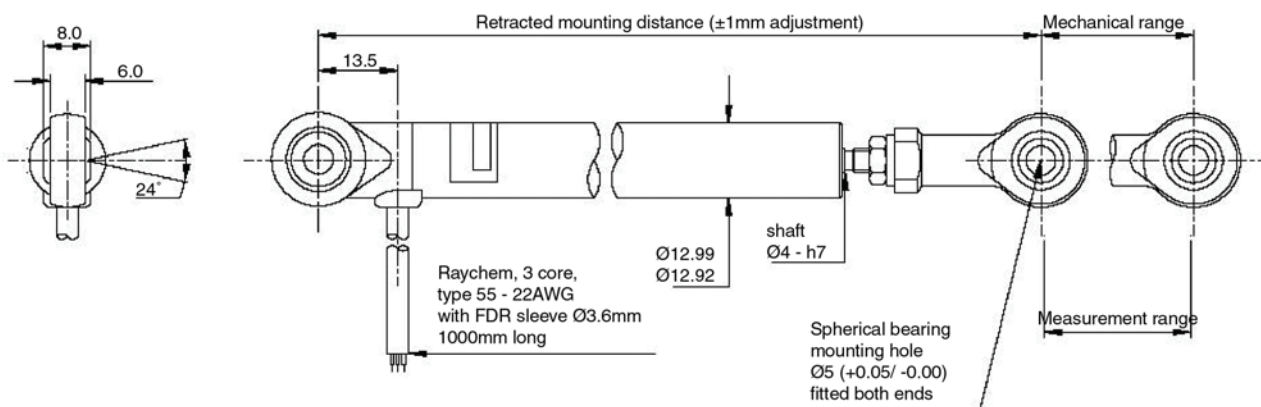
Typical Applications

Linear travel measurement (e.g. suspension travel measurement)

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Linear Potentiometer
Measurement range 50-175

Dimensions



Dimensions in millimetres

Technical Characteristics

- Operating temperature range..... -30 to 100 °C
 - Insulation resistance @ 500 Vdc > 100 MΩ
 - Mechanical range..... Measurement range + 1 mm
 - Shaft velocity..... < 1000 mm/s
 - Protection class..... IP 66
 - Sealing..... "O" ring and shaft lip seal
 - Cable length (*)..... 1 m
- (*) Different lengths are available on customer request.

Connector Pin Out

Wire colour table	
Red	Supply voltage
Black	GND
White	Signal

Linear Potentiometer	LPT50	LPT75	LPT100	LPT125	LPT150	LPT175	
Measurement range (± 0.5 mm)	50	75	100	125	150	175	mm
Nominal resistance (± 10 %)	2	3	4	5	6	7	kΩ
Applied Voltage	< 45	< 65	< 90	< 110	< 130	< 130	V
Wiper load	> 500	> 500	> 500	> 500	> 600	> 700	kΩ
Non linearity	<± 0.25	<± 0.15	<± 0.15	<± 0.15	<± 0.15	<± 0.15	% f.s.
Retracted mounting distance	148	173	198	223	248	273	mm
Weight (approx.)	66	73	78	85	90	96	g

For further information, please contact:



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