

Linear Potentiometer LP 150

The LP 150 is a linear potentiometer which is designed to measure the relative position of two point e.g. the gear position, throttle position or suspension movement.

Its operating mode is based on the linear tape potentiometer principle where the distance travelled between the moving end to the wiper is proportional to the resistance between them.

The advantage of this LP is its precise and compact design with an anodised aluminium cylindrical housing, low power consumption and infinite resolution.



Application	
Application	0 ... 150 mm
Temperature range	-40 ... 85 °C

Electrical Data	
Power supply	5 V
Power supply max.	130 V
Nominal resistance	6 kΩ
Resistance tolerance	10 %
Non-linearity	0.15 %

Mechanical Data	
Weight w/o cable	118 g
Min. length	282 mm
Mounting	2 x M5
Tightening torque	10 Nm
Protection	IP65
Max. shaft velocity	1 m/sec

Connectors and Cables	
Connector	ASL 6-06-05PA-HE
Connector loom	ASL 0-06-05SA-HE
Pin 1	Us
Pin 2	Gnd
Pin 3	Sig
Pin 4	-
Pin 5	-
Sleeve	DR-25
Cable size	AWG 24
Cable length L	15 ... 25 cm
Various motorsports and automotive connectors on request.	
Please specify the requested cable length with your order.	

Application Hint	
The LP 150 can be connected directly to most electronic control units and data logging systems.	
Ball joints at shaft end and case.	
Each mounting orientation is possible.	
Please find further application hints in the offer drawing (http://www.bosch-motorsport.com).	

Part Number	
LP 150	B 261 209 534

