

Description

SHOCK SENSOR - MTB

BYB Telemetry shock sensor is an high precision linear potentiometer designed for motorsport and open-air environment. The low friction and the low actuation force of the shaft is very important in the MTB field. It's one of the most compact potentiometers on the market in order to be installed on every bike. The sensor can be installed on every coil and air shock thankfully to a set of universal support mountings.



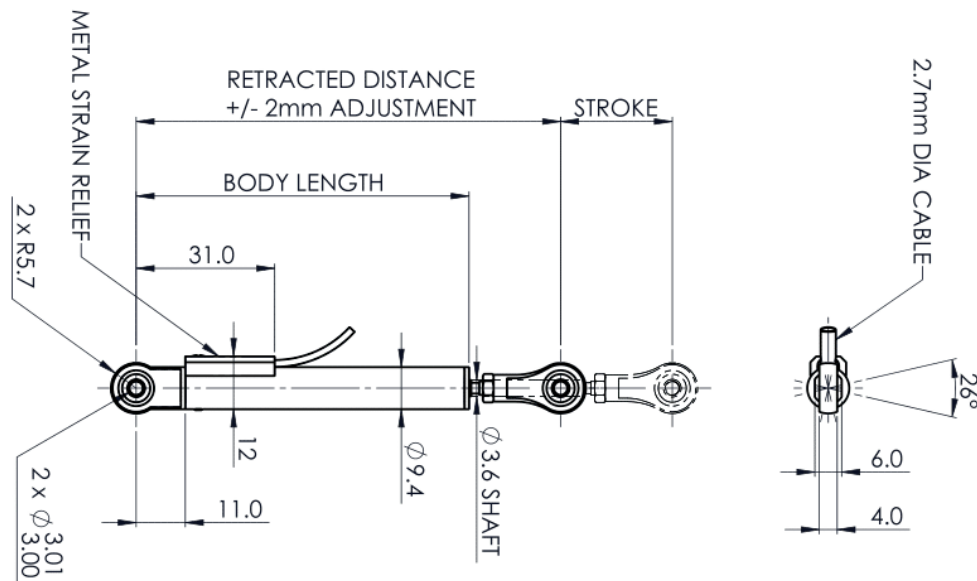
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Details And Specifications

BYB Telemetry v2.0 counts a lot of new feature.

Case	Anodized aluminium
Mountings	Self aligning bearings
Compact body	Yes
Waterproof	Yes (IP65)
Low friction	Yes
Actuation force	Less than 7 N
Resolution	Virtually infinite
Indipendant linearity	$\pm 0,07 \%$
Shaft speed (max)	10 m/s
Shaft shock (max)	40 g
Operating range	-40 to 135 °C
Sensor life	20 million of operations
Connector	4 pin male, IP67 waterproof
Cable length	100 cm, resizable by the user
Weight	29 g (with connector and 100 cm cable)

Drawings



	Unit	ELPM and ELPMS extended sealing option						
Order code ¹		25	50	75	100	125	150	175
Electrical stroke ³	mm	25	50	75	100	125	150	175
Retracted mounting distance ²	mm	95	120	145	178	203	228	253
Body length	mm	75	100	125	153	178	203	228
Resistance +/- 20%	k Ω	2.5	5.0	7.5	10.0	10.0	10.0	10.0
Independant linearity	+/- %	1	1	0.5	0.5	0.5	0.5	0.5
Weight	gm	26	29	33	37	43	46	51

Pinout

