



PS6300

Cylinder sensor 50-1000 mm

Regasense[®] is a trademark from Regal fror position sensors. PS6300 is one in the family. The linear potentiometer sensor is small for compact installation in cylinder applications. Almost 40 years of experience in manufacturing of industrial and military potentiometers guarantee a high quality and reliability.

The PS6300 has a conductive plastic element, which provides benefits such as long life and good linearity values. It has been on the market for many years in interesting and demanding applications such as industry, agriculture and forestry and marine environment.

With an absolute analogue output, it is easy to connect to different types of measuring or control systems and does not need to be reset when switching on or starting the machine.

With flexible mounting possibilities in cylinders, with or without link ears, a compact and mechanically well protected sensor unit is obtained. It also provides a simplified machine design and minimizes maintenance costs. In addition, the sensor becomes insensitive to external environmental impact, such as impacts, shocks and dirt etc.



SPECIFICATION		ORDER INFO	RMATION		
Power supply Recommended	10 VDC	Model	Standard linearity ±%	Electric stroke mm	Resistance kΩ ±20%
Мах	40 VDC	PS6301	0.750	50	4
Max effect	10 mW/mm @ 70°C	PS6302	0.380	100	8
Output signal	Potentiometer	PS6303	0.250	150	12
Non-linearity	Standard ± 0.4 mm	PS6304	0.190	200	16
Resolution	Near infinite	PS6305	0.150	250	20
Repetability	<±0.013 mm	PS6306	0.130	300	24
Recommended input impedance	1000 x sensor resistance	PS6307	0.110	350	28
Effective stroke	50 - 1000 mm	PS6308	0.100	400	32
Temperature		PS6309	0.085	450	36
Operating	-40°C+125°C	PS6310	0.075	500	40
Material		PS6311	0.070	550	44
Housing	Plastic	PS6312	0.065	600	48
Sensor profile	Nickel plated aluminum	PS6313	0.060	650	52
Sensing element	Conductive plastic	PS6314	0.055	700	56
Working pressure	350 bar	PS6315	0.050	750	60
Life time	1x10 ⁶ meters of contact travel	PS6316	0.047	800	64
		PS6317	0.045	850	68
		PS6318	0.042	900	72

PS6319

PS6320

950

1000

76

80

0.040

0.038

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