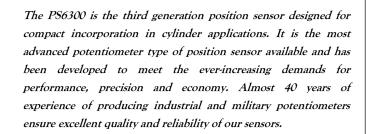
PS6300

Cylinder sensor 50-1000mm



The PS6300 is made of conductive plastic, which gives advantages as long lifetime and excellent linearity. The sensor has been on the market in several years in many interesting and demanding applications such as mobile, industrial, agriculture and marine.

The absolute analogue output of the PS6300 allows a simple connection to various external control or regulation systems and eliminates the need to reset it.

The design of the PS6300 allows it to be incorporated in any kind of cylinder, yielding a compact and mechanically well protected unit. This also simplifies machine design and minimises maintenance costs.

In addition, this protects the sensor against

damage from harsh environments.

Specifications			
Supply voltage Recommended Maximum	10 V _{DC} 40 V _{DC}		
Maximum power	10 mW/mm @ 70°C		
Output signal	potentiometer		
Independent linearity	Standard: ±0.4 mm		
Repeatability	< ±0.013 mm *		
Resolution	unlimited		
Operating speed Hydraulic Pneumatic	< 2 m/s ² < 5 m/s ²		
Resistance	80 Ω/mm (±20%)		
Recommended input impedence	1000 x sensor resistance		
Temperature	-40°C+125°C		
Material Housing Sensor profile Sensing element	plastic nickel plated aluminium conductive polymer		
Working pressure	350 bar		
Life Time	< 100 million movements *		

- · Conductive plastic
- Excellent accuracy
- Compact design



2013-03-12, specifications subject to change without notice

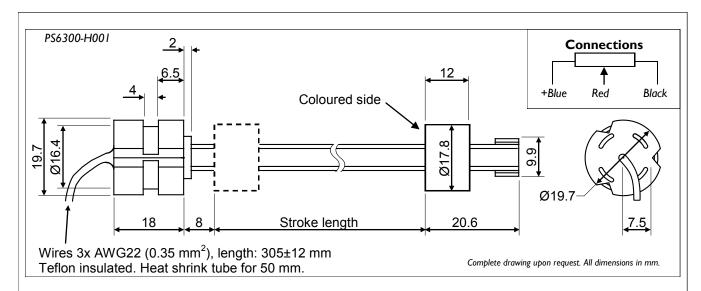


*Performance may change during life time



PS6300

Cylinder sensor 50-1000mm



Model	Electrical	Resistance	Linearity*		
	strokelength		Standard		
No.	A, mm	kΩ	± %		
PS6301	50	4	0,750		
PS6302	100	8	0,380		
PS6303	150	12	0,250		
PS6304	200	16	0,190		
PS6305	250	20	0,150		
PS6306	300	24	0,130		
PS6307	350	28	0,110		
PS6308	400	32	0,100		
PS6309	450	36	0,085		
PS6310	500	40	0,075		
PS6311	550	44	0,070		
PS6312	600	48	0,065		
PS6313	650	52	0,060		
PS6314	700	56	0,055		
PS6315	750	60	0,050		
PS6316	800	64	0,047		
PS6317	850	68	0,045		
PS6318	900	72	0,042		
PS6319	950	76	0,040		
PS6320	1000	80	0,038		
* In addition following are available:					
$A = \pm 0.1\%$	$B = \pm 0.05\%$		S= Special		







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