



'SG' Position Transmitter is a two wire electronic transmitter that converts resistance input into current output.

When coupled to any rotary or reciprocating device, the transmitter picks up the travel of that device and provides feedback of rotary or linear displacement. If this signal is supplied to the control room or to an indicating unit, such as ammeter, the current shaft position can be monitored.

The Position Transmitter has excellent linearity and repeatability. It is easy to install and provides an excellent price and performance ratio. The transmitter can be configured to suit various shaft rotations or lifts and feedback signal can be selected between Direct Signal or Reverse Signal for a given movement of rotary or reciprocating device.

Specification (Position Transmitter)

Operating Voltage	18 - 30 Volts DC
Output Signal	*Select from Ordering Symbols ¹
Travel (Min / Max)	*Select from Ordering Symbols ²
Linearity Error (FS)	±1% (4-20mA) • ±2% (0-135Ω)
Working Temperature	Upto 80° C
Load Impedance	600 Ω
Housing	Aluminium Pressure Die Cast
Cable Entry / Gland	PG – 11
Dimension	(LxHxW) 80 x 120 x 60 mm
Dimension (with Limit Switch)	(LxHxW) 100 x 160 x 80 mm

Specification (Limit Switch) - Optional

Rating	250V AC @ 5A
Switch Type	Honeywell Micro Switch

*Ordering Symbols: SG-PTx-

Model	Application	Enclosure	Output Signal ¹	Stroke (Travel) ²	Optional	
SG-PTx-	L Linear	N Non Ex.Proof	1	4 – 20 mA DC	1	0 None
			2	0 – 135 Ω	2	1 Limit Switch 1NO+1NC
	3		Ω (Special)	3	2 Limit Switch 2NO+2NC	
				4	Multi Turn *	S 4 Wire Type Operating Voltage 24V DC / 110V AC / 230V AC

* (No optional LS)

● Dimensions indicated are in mm ● Position Transmitter shown mounted on the Control Valve is indicative only ●
Design & Information in this document is subject to change without notice

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