Industrial Pressure Transmitter

Model ： PT124B/G-212 （diffused silicon）

Description

PT124B/G-212 series adopt diffused silicon core sensor chip , high precision, high steadily pressure transmitters has been specially designed to cover the majority of industrial applications where need high accuracy measuring,Compact design and robust construction make these instruments suitable for all application in machine construction, process control, laboratory or quality and materials testing equipment.

Application

- Mechanical Engineering Industry
- Hydraulic and level measurement
- Gas tank pressure monitoring
- Industrial test and control
- General industrial application

Feature

- Various industrial standard signal output
- Various electrical connector available
- Certain stock for shortening delivery time
- High accuracy measuring
- compact dimension design

Specification

Range:	-1~0~400bar
Accuracy:	0.5%FS; 0.25%FS,0.1%FS
Nonlinearity:	0.2%FS
Reliability:	0.2%FS
Output:	4-20mA,0-10V, 0-5V, 1-5V ,0.5-4.5V (PT124B-212) ; 1.5mV/V , 2mV/V (PT124G-212)
Input voltage:	24VDC (4-20mA,0-10V, 0-5V ,1-5V output) 5 V DC (0.5-4.5V output) 10V DC (1.5mV/V , 2mV/V output)
Operate Temperature:	-20~80℃
Compensated temperature:	0~75℃
Overload pressure:	150%FS
Medium material:	stainless steel (SS304 or SS316)
Electric connector:	Hirschman(DIN), M12(4pins) , 5pins , gland cable, direct cable optional
Process connector:	G1/4, G1/2, 1/2NPT, 1/4NPT, M12*1.5（Customer design）
Housing Shell Diameter:	¢23mm , ¢26mm , ¢38mm optional

Dimension

Remark:

The standard accuracy is 0.5%, and standard size diameter is 26mm ,if you need special (¢23mm , ¢26mm, ¢38mm),when order ,please mention it , and we will send you the drawing to confirm .

Ordering Guide

with * are required, with --- is optional

Model	Range (bar)	Output	Screw Thread	Electric connection	Accuracy	Diameter (mm)	Other requirement
PT124B-212	*	*	*	*	*	*	---
Example: PT124B-212-5Bar-4/20mA-G1/2-Hirschmann-0.5%-26							

Electric Connection & wiring code

Electric connector	2 wire (4-20mA)			3 wire (0-10V, 0-5V, 1-5V,0.5-4.5V)			5 wire (1.5mV/V,2mV/V)		
Hirschman （DIN）	**Pin**	**Function**	**Color**	**Pin**	**Function**	**Color**	**Pin**	**Function**	**Color**
	1	E+	Red	1	E+	Red	1	---	---
	2	S+	Black	2	S+	Blue	2	---	---
Suitable ¢22,¢26,¢38	3	---	---	3	E-/S-	Black	3	---	---
M12,4Pins	**Pin**	**Function**	**Color**	**Pin**	**Function**	**Color**	**Pin**	**Function**	**Color**
	1	E+	Brown	1	E+	Brown	1	---	---
	2	---	---	2	---	---	2	---	---
	3	S+	Blue	3	S+	Blue	3	---	---
Suitable ¢22,¢26,¢38	4	---	---	4	E-/S-	White	4	---	---
5 Pins	**Pin**	**Function**	**Color**	**Pin**	**Function**	**Color**	**Pin**	**Function**	**Color**
	1	E+	Red	1	S+	Blue	1	S+	Blue
	2	S+	Black	2	E+-	Red	2	E +	Red
	3	---	---	3	E-/S-	Black	3	S -	White
	4	---	---	4	---	---	4	E -	Yellow
Suitable ¢22,¢26,¢38	5	---	---	5	---	---	5	C	Black
Gland Cable	**Function**	**Color**		**Function**	**Color**		**Function**	**Color**	
	E+	Red		S +	Blue		S+	Blue	
	S+	Black		E +	Red		E +	Red	
	---	---		E-/S-	White		S -	White	
	---	---		---	---		E -	Yellow	
Suitable ¢22,¢26,¢38	---	---		---	---		C	Black	
Direct cable	**Function**	**Color**		**Function**	**Color**		**Function**	**Color**	
	E+	Red		S +	Blue		S+	Blue	
	S+	Black		E +	Red		E +	Red	
	---	---		E-/S-	Yellow/White		S -	White	
	---	---		---	---		E -	Yellow	
Suitable ¢23	---	---		---	---		C	Black	

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