

Industrial Pressure Transmitter

Model: PT124B/G-214 (corrugated diaphragm)



Description

This series PT124B/G-214 with corrugated flush diaphragm pressure transmitter, It adopts the diffused silicon element, it is particularly suitable for the measurement of small pressure range and viscous fluids or media containing particulates that may clog the pressure connection of standard industrial transmitters. All wetted parts are made of stainless steel and are hermetically welded. PT124G-214 welding with amplify circuit can be change to PT124B-214.



Application

- ◆ Mechanical engineering
- ◆ Hydraulics/Pneumatics
- ◆ General industrial applications
- ◆ Food & Beverage

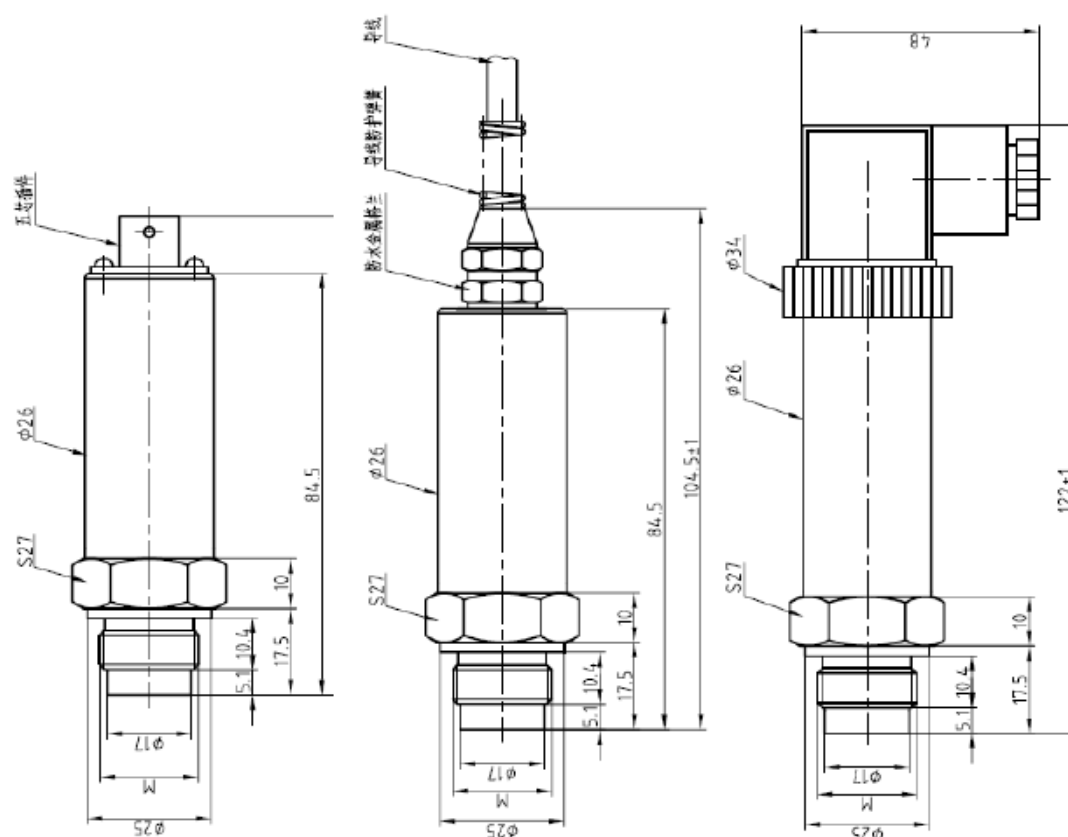
Feature

- ◆ Pressure Range: -1bar~ 0bar ~16bar
- ◆ Various output signal for option
- ◆ Diffused silicon element, Corrugated flush diaphragm
- ◆ Excellent corrosion-proof capability
- ◆ Compact dimension, high quality

Specification

Range:	-1bar~ 0bar ~16bar
Accuracy:	0.25%FS; 0.5%FS
Nonlinearity:	0.2%FS
Reliability:	0.05%FS
Output:	4-20mA (2 Wire) , 0-10V ; 0-5V; 0.5-4.5V (PT124B-214) 1.5mV/V , 2 mV/V (PT124G-214)
Input voltage:	24 (12-36) VDC (4-20mA,0-10V, 0-5V output) 5 V DC (0.5-4.5V output) 10V DC (1.5mV/V , 2mV/V output)
Work Temperature Range:	-20~85℃
Compensated temp range:	0~70℃
Overload pressure:	150%FS
Medium material:	stainless steel or Hardening Aluminum
Electric connection:	Hirschman (DIN), M12 & 4 PIN, Bendix connector, cable, 5pins etc (Customer design)
Process connection:	G1/2, 1/2BSP, 1/2NPT, M22 and etc
Housing Shell Diameter:	Φ 22mm , Φ 23mm , Φ 26mm, Φ 38mm optional

Dimension in mm



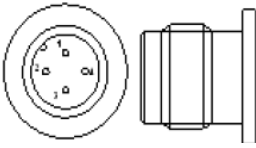
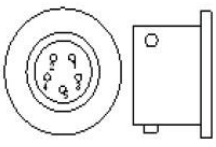
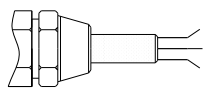
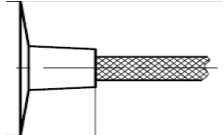
Remark:

The dimensions only for you reference, and you can choose other electrical connector and process connector. The standard accuracy is 0.5%, and size diameter is 26mm , if you need special ($\phi 22\text{mm}$, $\phi 23\text{mm}$, $\phi 38\text{mm}$),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-214	*	*	*	*	*	*	---
Example: PT124B-214-5Bar-2mV/V-G1/2-Hirschmann-0.5%-26							

Electric Connection & wiring code

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

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