

Industrial Pressure Transmitter

Model: PT124B/G-214 (Flush diaphragm)



Description

This series PT124B/G-214 with flush diaphragm is particularly suitable for the measurement of 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 a amplification circuit will be change to PT124B-214 , the Analog signal output can connect with PLC directly .



Application

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

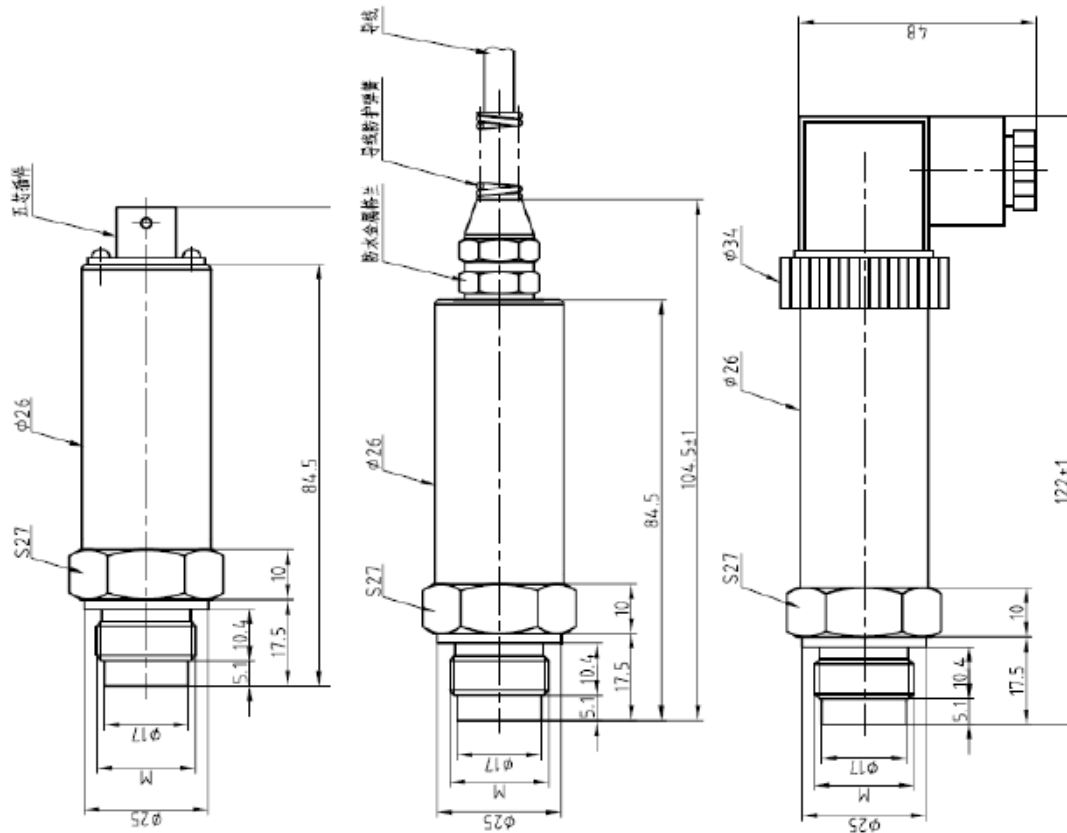
Feature

- ◆ Pressure Range: 0...16 bar to 0...700bar
- ◆ Various output signal for option
- ◆ Flush diaphragm
- ◆ Excellent corrosion-proof capability
- ◆ Compact dimension, high quality

Specification

Range:	0-16bar ~ 700bar;
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°C
Compensated temp range:	0~70°C
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:	∅ 22mm , ∅ 23mm , ∅ 26mm, ∅ 38mm optional

Dimension in mm




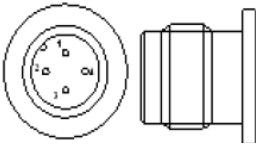
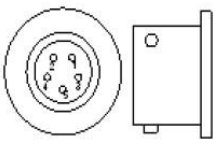
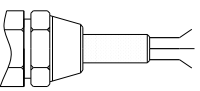
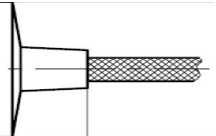
Remark:

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 (\varnothing 22mm , \varnothing 23mm , \varnothing 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
PT124G-214	*	*	*	*	*	*	---
Example: PT124G-214-50Bar-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)		
	Pin	Function	Color	Pin	Function	Color	Pin	Function	Color
Hirschman (DIN)  Suitable $\phi 22$, $\phi 26$, $\phi 38$	1	E+	Red	1	E+	Red	1	---	---
	2	S+	Black	2	S+	Blue	2	---	---
	3	---	---	3	E-/S-	Black	3	---	---
M12,4Pins  Suitable $\phi 22$, $\phi 26$, $\phi 38$	1	E+	Brown	1	E+	Brown	1	---	---
	2	---	---	2	---	---	2	---	---
	3	S+	Blue	3	S+	Blue	3	---	---
	4	---	---	4	E-/S-	White	4	---	---
5 Pins  Suitable $\phi 22$, $\phi 26$, $\phi 38$	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
---		---	---		---	C		Black	
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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