

Industrial Pressure Transmitter

Model: PT124B/G-213 (Ceramic sensor)



Description

PT124B/G-213 adopts ceramic sensor chip, with stainless steel encapsulation, This series is especially suitable in the occasion where Installation space is restricted and has the feature of wide range temperature compensation, high accuracy, non-calibration, wide range, and OEM Process. This model has wide application in hydraulic pressure, auto-controlling house, constant pressure water supply, loading machine, and liquid pressure measuring and controlling in automatization fields. PT124G-213 welding a amplification circuit will be change to PT124B-213 , the Analog signal output can connect with PLC directly .



Application

- ◆ Mechanical Engineering Industry
- ◆ Industrial test and control
- ◆ Pump and compressors
- ◆ HVAC

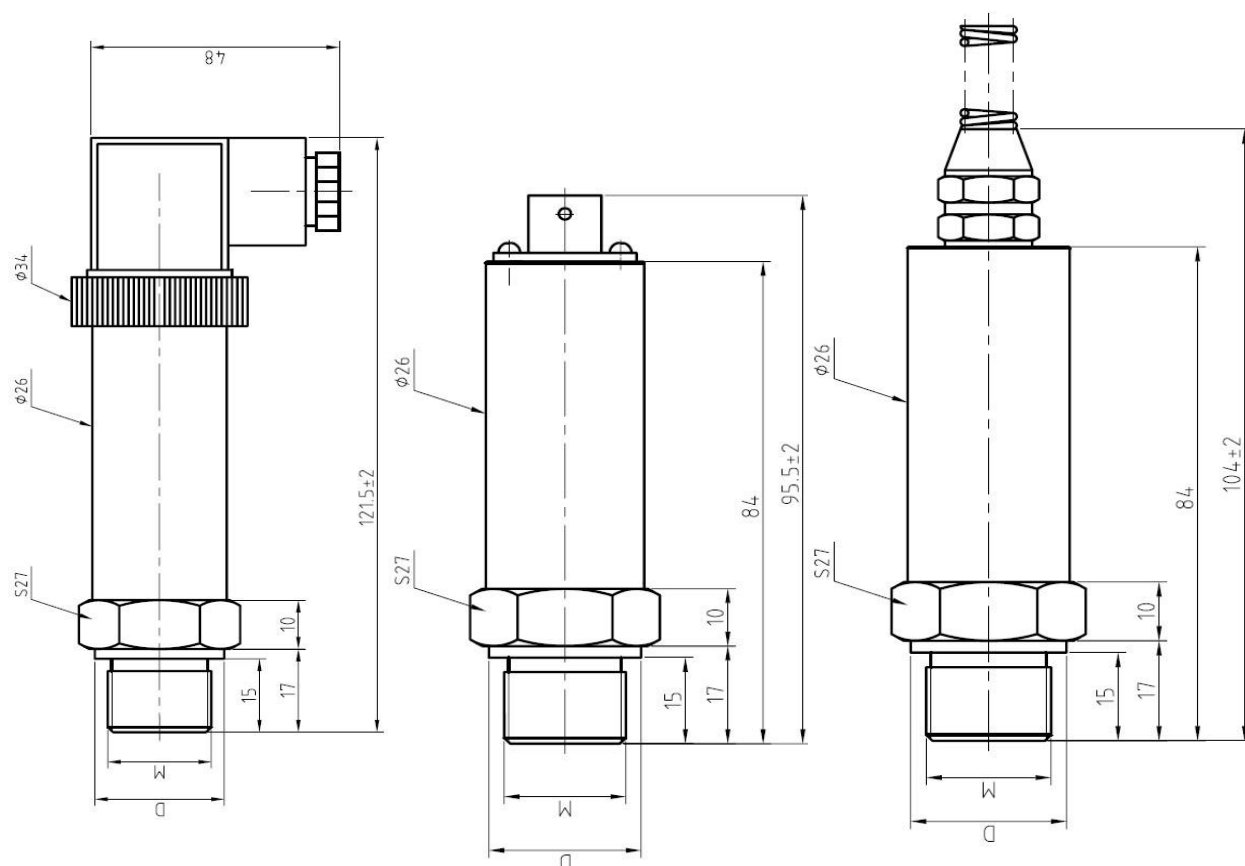
Feature

- ◆ Various industrial standard signal output
- ◆ Various electrical connector available
- ◆ Certain stock for shortening delivery time
- ◆ High accuracy, free of calibration
- ◆ different dimension design

Specification

Range:	0~5bar~50bar
Accuracy:	0.5%FS; 0.25%FS
Nonlinearity:	0.2%FS
Reliability:	0.2%FS
Output:	4-20mA,0-10V, 0-5V, 1-5V, 0.5-4.5V (PT124B-213) ; 1.5mV/V , 2mV/V (PT124G-213)
Input voltage:	24 (12-36) VDC (4-20mA,0-10V, 1-5V, 0-5V 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:	Φ 22mm , Φ 23mm , Φ 26mm, Φ 38mm optional

Dimension



Remark:

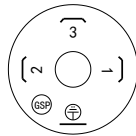
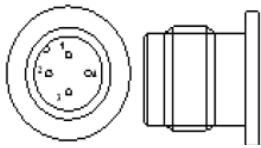
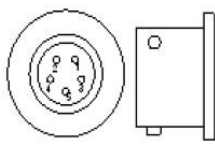
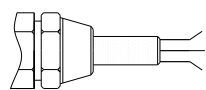
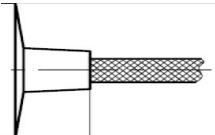
The dimensions only for you reference, and you can choose other electrical connector and process connector. The standard accuracy is 0.5%, and size diameter is 26mm , if you need special ($\phi 22$ mm , $\phi 23$ mm , $\phi 38$ mm),when order ,please mention it , and we will send you the drawing to confirm .

Ordering Guide

with * are required, with --- is optional

Model	Range (bar)	Output	Screw Thread	Electric connection	Accuracy	Diameter (mm)	Other requirement
PT124B-213	*	*	*	*	*	*	---
Example: PT124B-213-50Bar-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）  Suitable ϕ 22, ϕ 26, ϕ 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 ϕ 22, ϕ 26, ϕ 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	---	---
	4	---	---	4	E-/S-	White	4	---	---
5 Pins  Suitable ϕ 22, ϕ 26, ϕ 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 ϕ 22, ϕ 26, ϕ 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 ϕ 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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