

Pressure Transmitter Data Sheet

Industrial Pressure Transmitter

Model: CMPT124B/G-211

Introduction

◆ The CMPT124B/G-211 pressure transducer adopts micro fused Technology which introduced from MEAS (USA), it's a new pressure sensor technology for high volume, commercial and industrial applications. This series is suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly. The transducer pressure cavity is machined from a solid piece of stainless steel. It's a leak-proof, all metal sealed system. No O-rings, welds or organics exposed to the pressure media. The durability is excellent corrosive fluids.

Application

- ◆ Pumps and Compressors
- ◆ Hydraulic/Pneumatic Systems
- ◆ Automotive Test Systems
- ◆ Energy and Water Management
- ◆ Agriculture - Sprayers and Dusters
- ◆ Refrigeration - Freon and Ammonia Based
- ◆ General Pressure Measurements

Features:

- ◆ One Piece Stainless Steel Construction
- ◆ Medium to high volumes from 6bar to 6000bar
- ◆ Better than 0.5% combined error
- ◆ mV or Amplified or Voltage Outputs
- ◆ Wide Operating Temperature Range



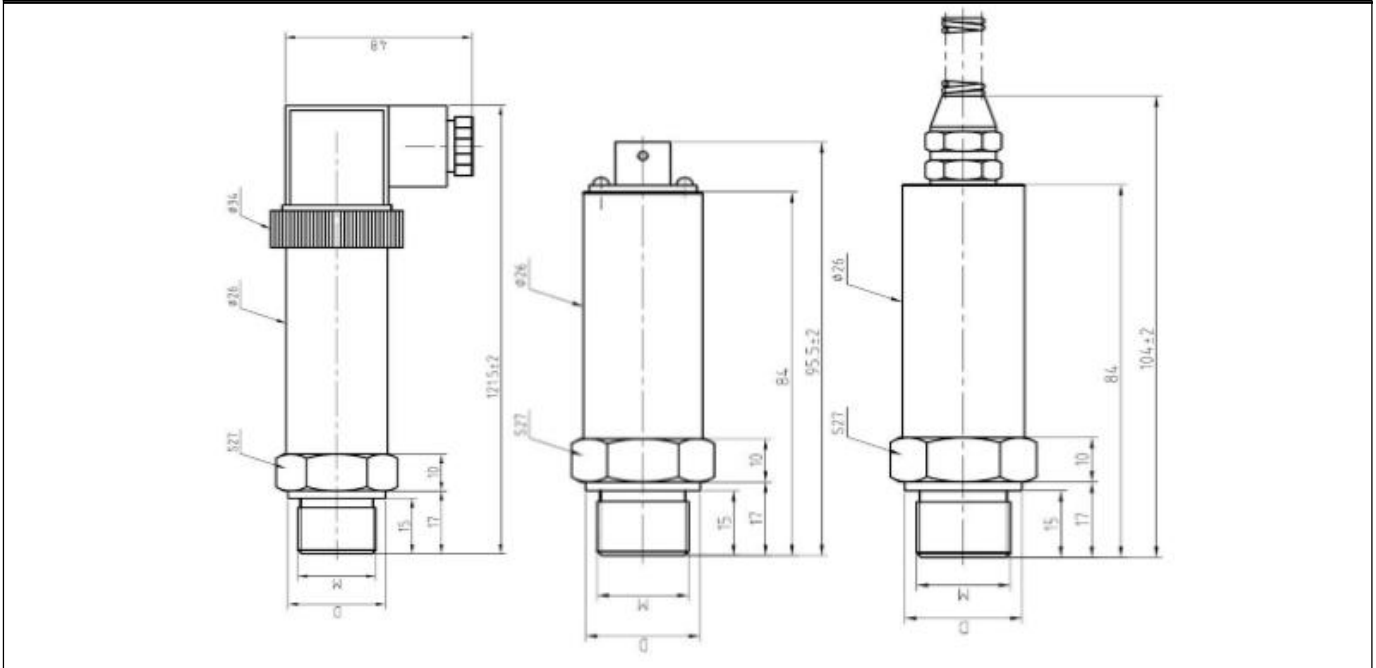
CE

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Dimensions(mm):

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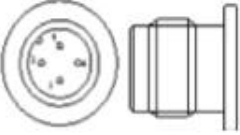
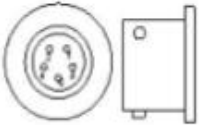
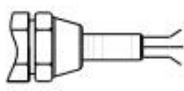
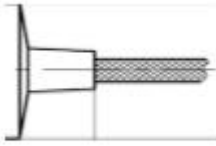
Remark: The standard accuracy is 0.5%, and size diameter is 26mm, if you need special (\varnothing 22mm, \varnothing 23mm, \varnothing 26mm, \varnothing 38mm), when order, please mention it, and we will send you the drawing to confirm.

Technical Characteristics

Model	CMPT124G-211
Range	0~100bar ~6000bar
Accuracy	0.5%FS
Nonlinearity	Full range x 0.2%
Reliability	Full range x 0.05%
Output	4-20mA , 0-5V , 0-10V; 0.5-4.5V; 10-30mV (PT124G-211)
Input voltage	12-36VDC (24VDCTypical); 5VDC
Operating temperature	-20~80°C
Compensated temperature	0~65°C
Overload pressure	150%FS
Burst pressure	300%FS
Wetted Parts:	stainless steel
Electric connector	Hirschman(DIN), M12(4pins) , 5pins , gland cable, direct cable optional

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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

Electric Connection & wiring code									
Electric connector	2 wire (4-20mA)			3 wire (0-10V,0-5V, 0.5-4.5V)			5wire (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+/S+	Red	1	E+	Red	1	-----	-----
	2	E-/S-	Black	2	S+	Blue	2	-----	-----
	3	-----	-----	3	E-/S-	White	3	-----	-----
M12, 4 Pins  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	-----	-----
5 Pins  Suitable Φ 22, Φ 26 , Φ 38	Pin	Function	Color	Pin	Function	Color	Pin	Function	Color
	1	S+	Black	1	S+	Blue	1	S+	Blue
	2	E+	Red	2	E+-	Red	2	E+	Red
	3	-----	-----	3	E-/S-	Black	3	S-	White
	4	-----	-----	4	-----	-----	4	E-	Yellow
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-	Yellow/White	S-	White			
	-----	-----	-----	-----	E-	Yellow			
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			



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Ordering Guide							
Model	Range (bar)	Output	Screw Thread	Electric connection	Accuracy	Diameter (mm)	Other requirement
CMPT124B/G-211	*	*	*	*	*	*	---
Example: CMPT124B/G-211-60Bar-4/20mA-G1/2-Hirschmann-0.5%-26							

