

Pressure Transmitter Data Sheet

CMPT124B/G-213 (Ceramic sensor)

Introduction

- CMPT124B/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.
- CMPT124G-213 welding a amplification circuit will be change to CMPT124B-213, the Analog signal output can connect with PLC directly.

Application

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

Technical Characteristics

Features:

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





Model	CMPT124B/G-213
Range	0~5bar~50bar (0 - 5000Kpa)
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°C
Compensated temperature	0~75°℃



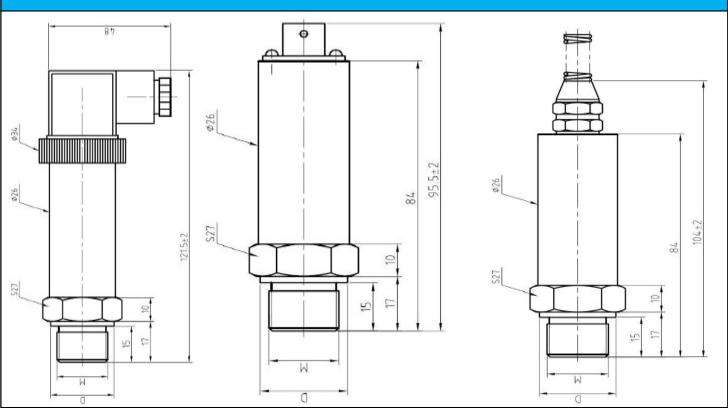
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Overload pressure	150%FS						
Medium material	stainless steel (SS304 or SS316)						
Electric connector	Hirschman(DIN), M12(4pins), 5pins, gland cable, direct cable optional						
Process connector	G1/4, G1/2, 1/2NPT, 1/4NPT, M12*1.5 (Customer design)						
Housing Shell Diameter	¢ 22mm, ¢ 23mm, ¢ 26mm, ¢ 38mm optional						

Dimensions(mm):



Remarks

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 (\emptyset 22mm , \emptyset 23mm , \emptyset 38mm), when order , please mention it , and we will send you the drawing to confirm .

Ordering Guide

Model	Range (bar)	Output	Screw Thread	Electric connection	Accuracy	Diameter (mm)	Other requirement		
CMPT124B-213	*	*	*	*	*	*			
Example: CMPT124B-213-50Bar-4/20mA-G1/2-Hirschmann-0.5%-26									



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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	Functi	on Cole	or	Pin	n Function		Color	Pin	Fune	ction	Color
$\left(\begin{array}{c} 3\\ \end{array}\right)$	1	E+	Ree	d	1 E+		Red	1				
	2	S+	Blac	ek	2	2 S+		Blue	2			
Suitable 22, 26, 38	3				3	E-/:	S-	Black	3			
M12,4Pins	Pin	Functi	on Cole	or	Pin	Func	tion	Color	Pin	Function		Color
	1	E+	Brow	vn	1	E+		Brown	1			
	2				2				2			
	3	S+	Blu	e	3	S+		Blue	3			
Suitable 22, 26, 38	4				4	4 E-/S-		White	4			
5 Pins	Pin	Functi	on Col	or	Pin	Func	Function Color		Pin	Function		Color
	1	E+	Re	d	1	S	F	Blue	1	1 S+		Blue
	2	S+	Blac	ek	2	E+- Red 2 E			Red			
	3				3 E-/S-		S-	Black	3	S	-	White
Suitable ¢ 22, ¢ 26, ¢ 38	4				4		-		4	E	2-	Yello w
	5				5		-		5 (C	Black
Gland Cable	Func	tion	Color		Func	tion	(Color	Funct	tion	on Col	
	E-	F	Red		S+		Blue		S+		Blue	
	SH	-	Black		E-		Red		E+		Red	
		-			E-/S-		White		S-		White	
Suitable ⊄ 22, ⊄ 26, ⊄ 38									E-		Yellow	
		 Function			 Function			 Color	C Function		Black Color	
Direct cable			Color Red		S+			Blue	S+		Blue	
	SH		Black		E+		Red		E+		Red	
		-			E-/:	S-	Yellow/ White		S-		White	
J Suitable ⊄23									E-		Yellow	
									С		В	lack



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