

Compact Pressure Transmitter

Analog output

- 0 to 1...50bar / -760~0mmH₂O
- Dry/Wet media
- Superior Long term Stability
- Temperature Compensated
- Linear Amplified Output
- Excellent Repeatability & Hysteresis
- EMI/RFI Protection

P-35 series Long term minimization of these errors is maintained after millions of full scale overpressure cycles, making electronic set point virtually drift-free. Use of ceramic materials in the sensing element and its mounting provides excellent resistance to most liquids and chemicals. Ruggedness and reliability are also enhanced by a stainless steel housing to resist corrosion pressure sealing for media compatibility is provided by selection of welding Sealing type. metal sensing element contains and integral, reliable, solid state, custom hybrid circuit signal conditioner. This circuit is digital interface can be used for a simple PC-controlled calibration procedure, in order to program a set of calibration coefficients into an on-chip EEPROM and without the cost overhead associated with trimming by external devices or a laser.



P-35 Analogue output type

TYPICAL APPLICATIONS

- ✓ Pressure Control
- ✓ Petrochemical
- ✓ Transmissions
- ✓ Compressors & Pumps
- ✓ Water Management
- ✓ Environment control systems

Physical Data [Custom Ranges and Compound Ranges Available]

Gauge Pressure	Unit	Over Pressure	Burst
◆ 1, 2, 4, 6, 10	bar	◆ 3 x F.S.	◆ 5 x F.S.
◆ 15, 20, 35, 50	bar	◆ 2 x F.S.	◆ 3 x F.S.

General SPEC		
Characteristic	P-35(V)	P-35(A)
Pressure Range	0 to 1...50bar / -760~0mmH ₂ O	
Power Supply	[Voltage] 5/12/24VDC	[Current] 12/24VDC
Output	[3 Wire] 0.5 to 4.5VDC 1 to 5VDC 0 to 5VDC	[2 Wire] 4 to 20mA
Operating Temp. Range	-40 to 135°C	
Compensated Temp. Range	0 to 50°C	
Total Accuracy	±2.0 %F.S (25°C) ±3.0 %F.S (0 to 50°C) (Option : ±0.5~1.0 %F.S)	
Non-linearity	±0.2%	
Hysteresis and repeatability	±0.03% typical	
Body Material	SUS304	
ASIC Diagram		

Dimensions (mm)		
Wire system	Wire Color	Description
2 wire	BLACK	POWER(-)
	RED	POWER(+)
3 wire	BLACK	POWER(-)
	RED	POWER(+)
	GREEN	OUTPUT

How to order

P - 35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1) Output type								
Voltage type	V							
Current type	A							
2) Kind of pressure								
Absolute pressure	-----	A						
Gauge pressure	-----	G						
3) Pressure range								
-760~0mmH ₂ O	-----	-----	760					
0 to 1 bar	-----	-----	001					
0 to 2 bar	-----	-----	002					
0 to 4 bar	-----	-----	004					
0 to 6 bar	-----	-----	006					
0 to 10 bar	-----	-----	010					
0 to 20 bar	-----	-----	020					
0 to 35 bar	-----	-----	035					
0 to 50 bar	-----	-----	050					
Other on request	-----	-----	Z					
4) Output signal								
0.5 to 4.5 VDC	-----	-----	-----	V1				
0 to 5 VDC	-----	-----	-----	V2				
1 to 5 VDC	-----	-----	-----	V3				
4 to 20mA	-----	-----	-----	A				
Other on request	-----	-----	-----	Z				
5) Supply Voltage								
5 VDC	-----	-----	-----	-----	5			
12 VDC	-----	-----	-----	-----	12			
24 VDC	-----	-----	-----	-----	24			
Other on request	-----	-----	-----	-----	Z			
6) Process connection								
PF1/4"	-----	-----	-----	-----	-----	F14		
PT1/4"	-----	-----	-----	-----	-----	T14		
Other on request	-----	-----	-----	-----	-----	Z		
7) Seal material								
Silicone	-----	-----	-----	-----	-----	-----	S	
NBR	-----	-----	-----	-----	-----	-----	N	
Viton	-----	-----	-----	-----	-----	-----	V	
Other on request	-----	-----	-----	-----	-----	-----	Z	
8) Cable Length								
600mm	-----	-----	-----	-----	-----	-----	-----	600
900mm	-----	-----	-----	-----	-----	-----	-----	900
3,000mm	-----	-----	-----	-----	-----	-----	-----	3000
Other on request	-----	-----	-----	-----	-----	-----	-----	Z