

# Model PFA

Small Size, Low Cost Pressure Transmitter

## Description

The PFA model which is pressure transmitters feature high quality, high stability, small size, low weight, compact structure, low cost and mass production. The pressure port is machined from a solid piece of 17-4PH stainless steel. There are no O-rings, organics or welds exposed to the pressure media.

## Features

- ▶ CE Certified
- ▶ Built-in amplifier Circuit(VDC, mA)
- ▶ Measuring range 0~100kPa ... 60MPa
- ▶ 0.5%FS accuracy
- ▶ Stainless steel media-wetted materials

## Applications

- ▶ Refrigeration Systems
- ▶ Automotive Test Stands
- ▶ Gas compressors
- ▶ Industrial process control
- ▶ Pumps and Compressors
- ▶ Hydraulic/Pneumatic

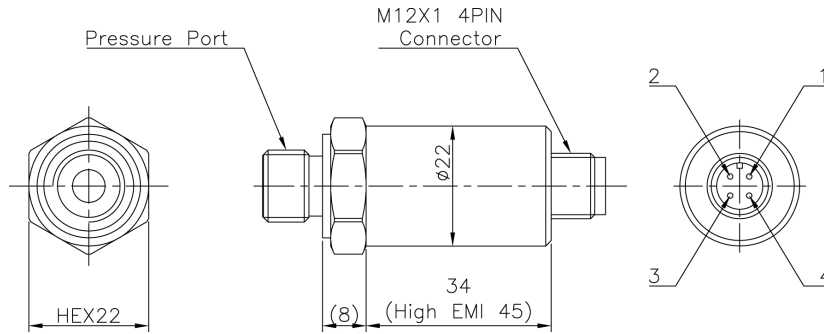


## Specifications

	Standard	High EMI
<b>Range</b>		
	0~500kPa ... 60MPa(Gauge)	0~100kPa ... 60MPa(Gauge)
	0~500kPa ... 60MPa(Absolute)	-100kPa~100kPa ... 60MPa(Gauge)
		0~100kPa ... 60MPa(Absolute)
<b>Performance</b>		
Accuracy		±0.5%FS(RSS)
Thermal Effect on Zero		±0.05%FS/°C
Thermal Effect on Span		±0.05%FS/°C
Compensated Temperature Range		-20 ~ 85°C
Operating Temperature Range		-40 ~ 85°C
<b>Electrical</b>		
Excitation	4.75~5.25VDC / 9~30VDC / 9~30VDC / 15~30VDC / 9~30VDC	
Output	0.5~4.5VDC / 0~5VDC / 1~5VDC / 0~10VDC / 4~20mA(2Wire)	
Electrical Connection	Mini DIN Connector, M12 Connector	
<b>Physical</b>		
Proof Pressure		200%FS Max.
Burst Pressure		300%FS Min.
Vibration		49.1m/s <sup>2</sup> {5G}, 10~500Hz
Shock		490m/s <sup>2</sup> {50G}
Pressure port	R(PT)1/4", G(PF)1/4", (Other Connection Available on Request)	
Media-Wetted Materials	Stainless Steel 630	
Weight	Approx. 100g (Mini DIN Connector Type)	

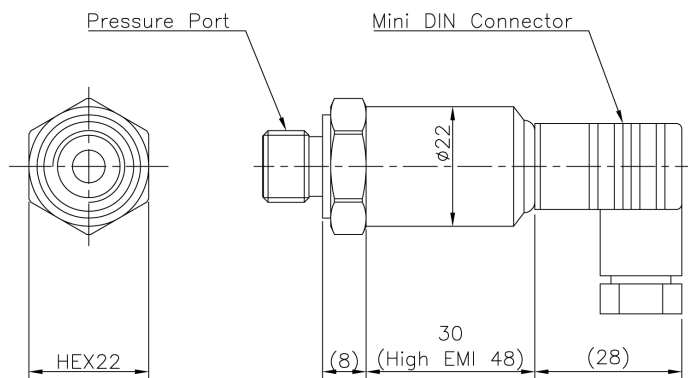
## Dimension

### ► M12 Connector Type



Pin No.	Wire Color	Connections	
		3Wire	2Wire
1	Brown	Input ⊕	Input ⊕
2	White	Output ⊕	×
3	Blue	Common ⊖	Output ⊕
4	Black	Earth	Earth

### ► Mini DIN Connector Type



Pin No.	Connections	
	3Wire	2Wire
1	Input ⊕	Input ⊕
2	Output ⊕	Output ⊕
3	Common ⊖	
⊕	Earth	Earth

## Ordering Information

Model Name		PFA	H	0010	M	C	E	G	Type of Pressure Measurement		
Output		C : 0~5V		J : 0~10V		E : 1~5V		Z : 0.5~4.5V		G : Gauge(Standard)	
Pressure Range		XXXX : Pressure								J : Absolute(Standard)	
Pressure Unit		M : MPa		B : bar		P : psi				E : Gauge(High EMI)	
										F : Absolute(High EMI)	
										Connecting Methods	
										E : M12 Connector	
										M : Mini DIN Connector	
										Pressure port	
										C : R(PT)1/4" D : G(PF)1/4"	