

PM424 High temperature pressure transmitter

MAIN FEATURES

- Titanium alloy diaphragm, strong corrosion resistance
- Wide temperature zone, high precision
- Flameproof, IP68 protection
- Can be applied to harsh environments such as pollution, humidity, flammable and explosive

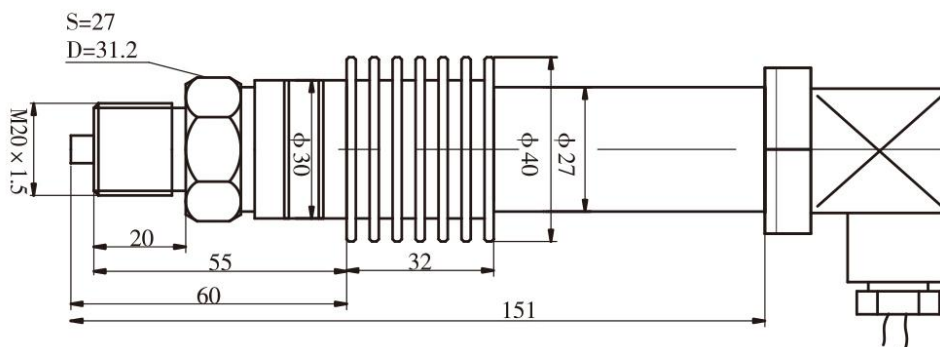


SPECIFICATION

Items	Parameter
Range	-0.1MPa...0kPa~10kPa...100MPa
Overload capability	Below 10MPa ≤ 2 times full scale 10MPa and above ≤ 1.5 times full scale
Pressure Type	G (gauge pressure), A (absolute pressure), S (sealed gauge pressure)
Accuracy	0.1% (custom), 0.25% (typical), 0.5% (maximum)
Long-term stability	±0.1%FS/year (typical), ±0.2%FS/year (maximum)
Zero temperature drift	±0.015%FS/°C, ±0.02%FS/°C
Sensitivity temperature drift	±0.015%FS/°C, ±0.02%FS/°C
Compensation temperature	-10°C~70°C, -20°C~80°C
Medium temperature	-60°C~200°C, -30°C~65°C (Input type)
Power supply	12 ~ 30V (Default 24V)
Output signal	4mA~20mA (superimposable HART protocol) 0V~10V (output range can be customized) RS485
Load Resistance	Current type: ≤ (U-12) / 0.02 (Ω)
Protection level	IP65 (customizable IP67/IP68)

TYPICAL DIMENSION

Unit: mm

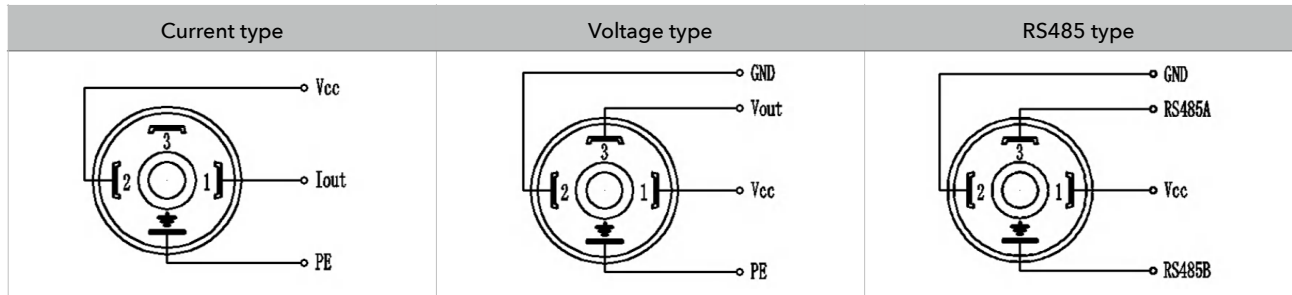


MORE RECOMMENDATION

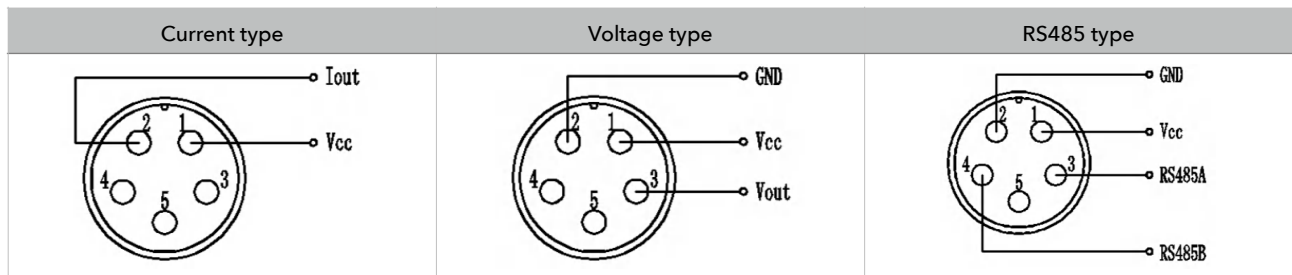
MODEL	FEATURE	OUTLINE CONSTRUCTION
PM4241	1. Standard Hirschmann connector 2. M20 × 1.5 thread, customizable adapter 3. The pressure interface material is stainless steel	
PM4242	1. Waterproof metal joints 2. M20 × 1.5 thread, customizable adapter 3. The pressure interface material is stainless steel	
PM4243	1. Aviation socket 2. M20 × 1.5 thread, customizable adapter 3. The pressure interface material is stainless steel	
PM4244	1. High reliability liquid level outlet, waterproof grade IP68 2. M20 × 1.5 thread, customizable adapter 3. The pressure interface material is stainless steel	

ELECTRIC CONNECTION

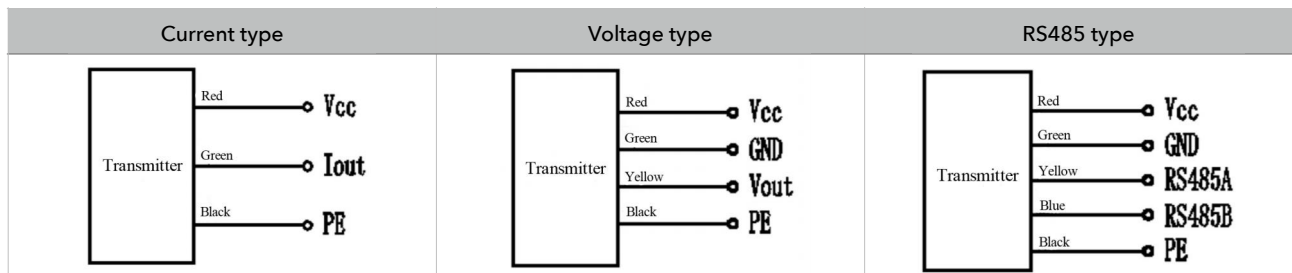
• Hirschmann socket electric connection



• Aviation socket electric connection



• Direct cable connection



ORDER CODE

Code:	A	-	B	-	C	-	D	-	E	-	F	-	G
Model:	PM4241	-	G	-	0-50bar	-	S	-	L	-	G 1/2	-	MA

Model	Code A
Standard Hirschmann connection	4241
Direct cable connection	4242
Aviation socket connection	4243
Fully sealed liquid level outlet, waterproof grade IP68	4244
Pressure type	Code B
Gauge pressure	G
Absolute pressure	A
Sealed gauge pressure	S
Pressure Range(X=specific range)	Code C
-0.1MPa ~100MPa	X MPa
-1Bar ~1000Bar	X Bar
-15psi ~15000psi	X psi
Accuracy	Code D
0.1% (custom)	C
0.25%(typical)	T
0.5%(standard)	S
Interface material	Code E
316L	L
Other customized	C

Process connection	Code F
M22*1.5	M22
G1/2	G1/2
M20*1.5	M20
M18*1.5	M18
G3/8	G3/8
M16*1.5	M16
M14*1.5	M14
G1/4	G1/4
M12*1	M12
M10*1	M10
G1/8	G1/8
1/2NPT	1/2NPT
1/2PT	1/2PT
3/8PT	3/8PT
3/8NPT	3/8NPT
1/4NPT	1/4NPT
1/4PT	1/4PT
1/8NPT	1/8NPT
Output signal	Code G
4~20mA	MA
0~10V	V1
RS485	RS
More output customized	C

Remarks:

1. The pressure interface connection adopts good and effective sealing measures to prevent leakage of pressurized liquid, resulting in pollution or burn accident.
2. According to the environment humidity, cleanliness and use needs, choose the appropriate outlet method.
3. The high temperature sensor is sensitive to vibration and shock. It is strictly forbidden to fall and touch. The installation part adopts good and effective anti-shock and anti-shock measures.
4. More other size except above mentioned could be customized according to the drawings provided.
5. LOGO print is available once authorized.