PM430 Industrial digital pressure transmitter

MAIN FEATURES

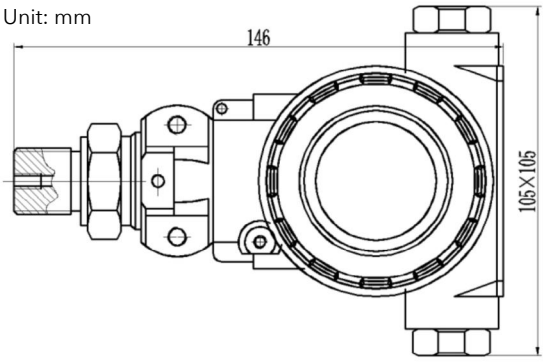
- On-site display, multiple output signals
- High stability, low drift
- Flameproof, IP66 protection
- Can be applied to harsh environments such as pollution, humidity, flammable and explosive

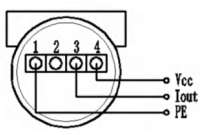
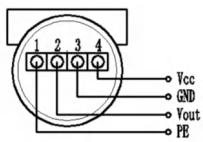
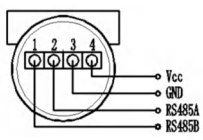
SPECIFICATION

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	±0.03%FS/°C (≤100kPa), ±0.02%FS/°C (>100kPa)
Sensitivity temperature drift	±0.03%FS/°C (≤100kPa), ±0.02%FS/°C (>100kPa)
Compensation temperature	0°C~50°C(≤100kPa), -10°C~70°C(typical)
Working temperature	-40°C~80°C, -20 ° C ~ 60 ° C (explosion-proof type)
Power supply	15~ 30V (Default 24V)
Live display	4-digit LED or LCD
Output Signal	4mA~20mA (superimposable HART protocol) RS485 (can output 4mA~20mA signal at the same time)
Load Resistance	Current type: ≤ (U-12) / 0.02 (Ω)
Explosion-proof grade	Intrinsically safe type: Ex d IIC T5 Gb
Protection level	IP65/IP67

TYPICAL DIMENSION

Unit: mm



Current type	Voltage type	RS485 type
		

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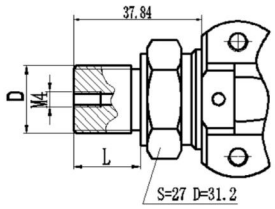
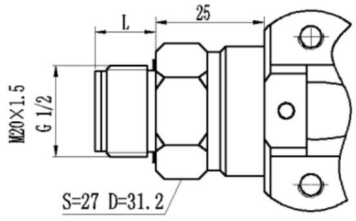
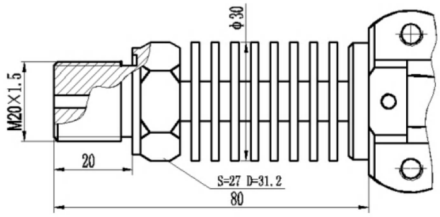
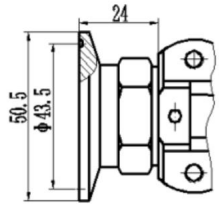
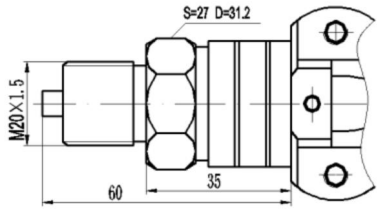
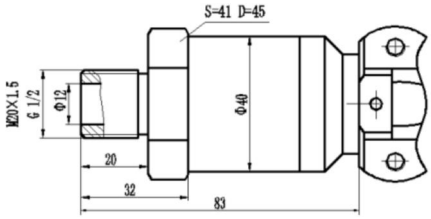
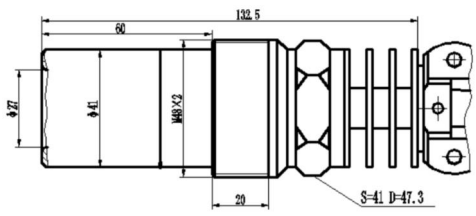
MORE RECOMMENDATION

MODEL	FEATURE	OUTLINE CONSTRUCTION
PM4311	1. Optional range: -0.1MPa~10kPa~100MPa 2. The full range of threads can be customized 3. Pressure interface materials can be customized 4. Anti-shock design, with damping	
PM4314	1. Flat membrane pressure joints meet the hygiene requirements of the pharmaceutical and food industries. 2. Optional range: -0.1MPa...0kPa~10kPa...10MPa 3. M20 × 1.5 or G1/2 thread optional, interface material 316L	
PM4315	1. Measuring medium temperature -40 ° C~150 ° C 2. Optional range: -0.1MPa...0kPa~10kPa...40MPa 3. M20 × 1.5 or G1/2 thread optional, interface material can be customized	
PM4316	1. Clamp joints can meet the requirements of vacuum, medicine and food industry 2. Optional range: -0.1MPa...0kPa~10kPa...5MPa	
PM4321	1. Measuring medium temperature -50 °C ~ 250 °C (>150 °C with heat sink connector) 2. Optional range: -0.1MPa...0kPa~10kPa...40MPa 3. M20 × 1.5 or G1/2 thread optional, interface material stainless steel	
PM4331	1. Measuring medium temperature -40 ° C ~ 80 ° C 2. Suitable for ceramic, stainless steel non-corrosive medium 3. The shell material can be customized	
PM4335	1. measuring medium temperature -40 ° C ~ 80 ° C 2. Suitable for ceramic, stainless steel non-corrosive medium 3. The pressure sensitive film is exposed, suitable for viscous media	

ORDER CODE

Code:	A	–	B	–	C	–	D	–	E	–	F	–	G
Model:	PM4311	–	G	–	0-50bar	–	S	–	L	–	G 1/2	–	MA

Model	Code A
Standard process connection	4311
Flat membrane for hygiene requirements	4314
High medium temperature -40 ° C~150 ° C	4315
Clamp joints type	4316
Super high medium temperature -50 °C ~ 250 °C	4321
Suitable for ceramic, stainless steel non-corrosive medium	4331
Suitable for viscous media	4335
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**
4mA~20mA (superimposable HART protocol)	MA
RS485 (can output 4mA~20mA signal at the same time)	RS
More customized	C

Remarks:

1. When the PM4311 product range is selected within -5~5kPa, the product can only measure non-corrosive gases due to different sensor selection.
2. The pressure interface thread of PM4314 is limited to M20×1.5 or G1/2. Please consult the special thread requirements.
3. When the product is in danger of being soaked or submerged, be sure to specify when ordering.
4. When selecting high temperature products, the heat sink must have good ventilation.
5. When selecting anti-corrosion products, do a good job of product shell and meter protection. These parts do not have strong anti-corrosion ability.