

ANP342H Intelligent Pressure Transmitter



Description

ANP342H Intelligent Pressure Transmitter uses imported high-performance diffused silicon pressure sensor as the sensitive element, and the high-speed AD sampling circuit. It has active temperature compensation function. This product is specialized for high-precision measurement application. And the maximum measurement deviation is 0.05% of the range.

Features

- RS485 interface or 4 ~ 20mADC/2-wire
- Nonlinear correction technology for digital compensation
- Standard accuracy 0.1% FS, no temperature error at 10~50 ° C (grade 0.05 could be done if needed)
- RS485, standard Modbus
- Response frequency 100Hz
- Resolution 0.01 ~ 0.001% FS (customized)

Applications

- Measurement and experiment
- Calibration
- Equipment construction and machinery manufacturing
- Tightness test

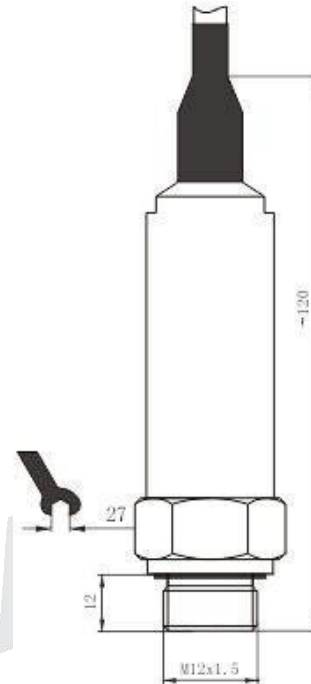
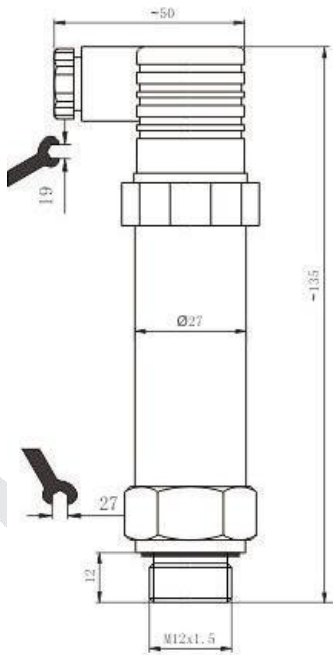
Specifications

Range	-0.1MPa...0MPa ~ 0.01MPa...100MPa (Gauge pressure)	
Overload	2 times of pressure range or 110MPa (Min)	
Pressure Type	Gauge pressure, absolute pressure, seal gauge pressure	
Power Supply	12~28VDC	
Output	4 ~ 20mADC (2-wire) ; or RS485	
Load Resistance (Ω)	≤ (U-12) /0.02	
Insulation Resistance	50MΩ@50VDC	
Housing Material	Stainless steel 304	
Sensor	316L stainless steel	
Sealing Ring	FKM	
Cable	φ 7.5mm PU Cable	
Protection Class	IP65 (Plug)	IP68 (Cable)
Media	Media should be compatible with 316L and FKM	
Compensation Temp.	-10℃ ~ +80℃	
Operating Temp.	-30℃ ~ +70℃	
Storage Temp.	-30℃ ~ +70℃	
Accuracy	±0.1%FS (Typical) ±0.05%FS (Customized)	
Long-term Stability	±0.1%FS/ Year (max)	

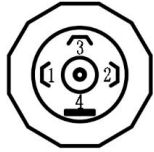

Dimension (Unit: mm)

B1 4-core plug /IP65

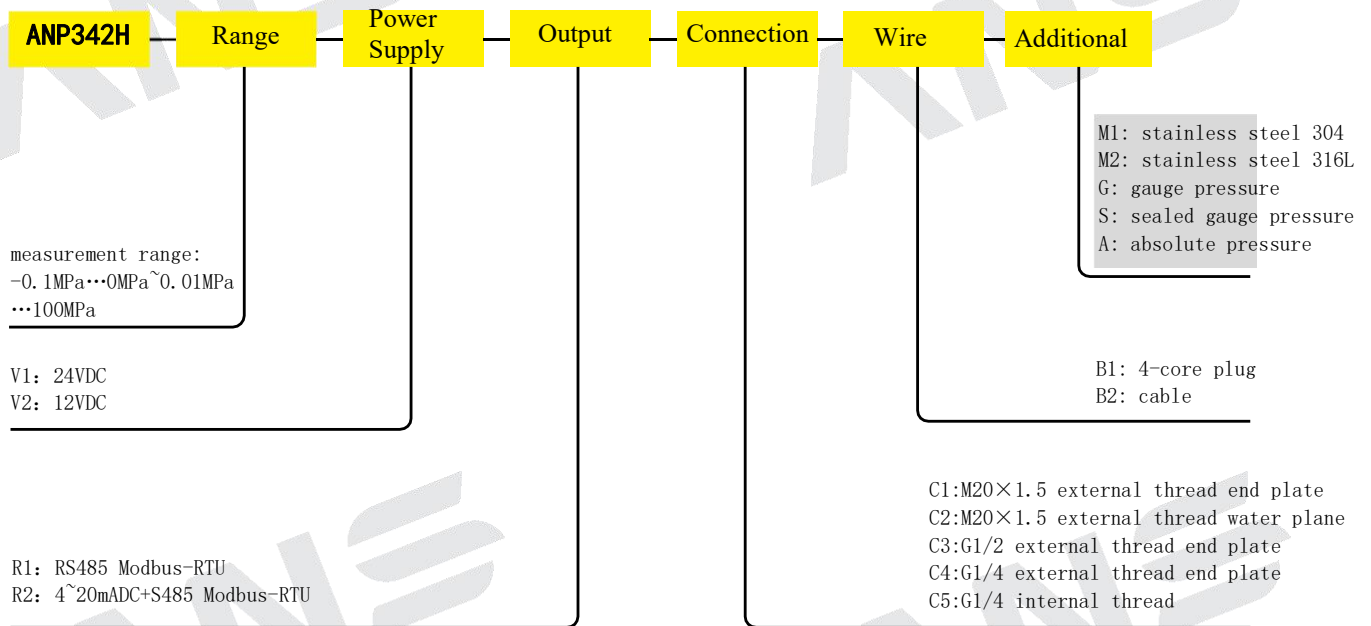
B2 cable /IP68



Electrical Connection

Definition	B1 (4-core plug)	B2 (cable)
		
Positive (+V)	1	Red
Negative (0V/+OUT)	2	Black
RS485A	3	Yellow
RS485B	4	White

Selection Guide



Noted:

1. Pls aware the unnecessary damage caused by incorrect installation and operation. It is necessary to completely know the working conditions such as media and range of your point.
2. If you have any special requirements, pls feel free to contact us. We can do customized products for you.