

Main specifications

▼ **Pressure connection**
 1/4"PT
 Material: SS304
 Other thread or material please specify

▼ **Electrical connector**
 Hirschmann connector
 Cable outlet

▼ **Pressure range**
 -100 kPa...0~35 kPa...100 MPa

▼ **Pressure type**
 Gauge pressure /
 Sealed gauge pressure /
 Absolute pressure

▼ **Applicable fluid**
 Gas and liquid that compatible with SS316L

▼ **Operating temperature**
 -20 to 85°C

▼ **Media temperature**
 -30°C to 105°C / 0°C to 350°C

▼ **Anti-vibration performance**
 200g (11ms)

▼ **Protection level**
 IP 65

▼ **Explosion-proof class**
 Exia II CT6 (4~20mA)

Other Specifications

▼ **Housing**
 Stainless steel

▼ **Power supply**
 12 ~ 30VDC / 5VDC

▼ **Output signal**
 4~20mA / 1~5V / 0~5V /
 0.5~4.5V / 0~10V / 1~10V

▼ **Measuring elements**
 High temperature resistance sensor
 Material: SS316L

▼ **Zero & span temp. drift**
 ±1.5% F.S. (@-20~85°C)

▼ **Accuracy**
 ±2.0%F.S.<-5~5kPa> ·
 ±0.5%F.S.<Other ranges >

▼ **Hysteresis & Repeatability**
 0.1% F.S.

▼ **Stability**
 ±0.2% F.S. / year

▼ **Response time**
 ≤1ms (increase to 90%F.S.)

▼ **Insulation resistance**
 ≥100MΩ / 250VDC

▼ **Overpressure**
 1.5*F.S.

▼ **Service life**
 ≥10*10⁶

▼ **Heat sin**
 3 pieces / 5 pieces / 7 pieces

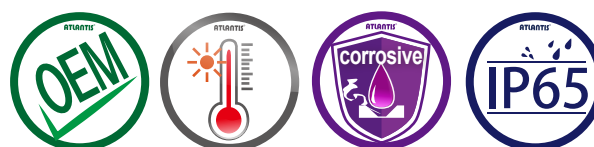
▼ **Weight**
 220g~360g

Pressure Transmitter for High Temperature
Model: PT-HT
Introduction

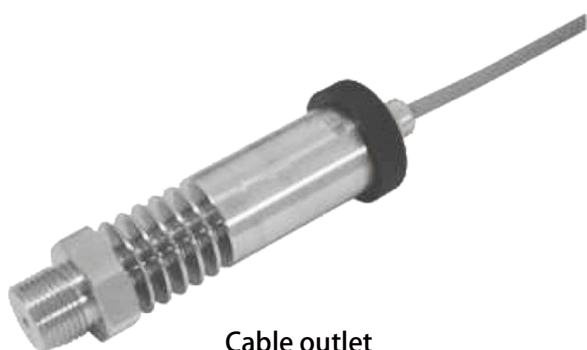
PT-HT pressure transmitter is especially design for high temperature media measurement. High temperature resistance sensor and cooling fin are adopted to ensure high temperature measurement with stable performance.



Hirschmann connector



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)



Cable outlet

Features

- OEM service
- High temperature resistance sensor
- Applicable medium temperature range is wide
- Strong anti-interference, good long-term stability
- Direct contact measurement of high temperature medium, increase the frequency of pressure influence
- Anti-vibration, anti-shock, anti-corrosion design
- SS316L isolation diaphragm structure

Output Signal and Power Supply Table

Code	C1	C2	C3	C4	C5	C6
Output Signal	4-20mA	0~5V	1~5V	0~10V	1~10V	0.5~4.5V
Power Supply	12-30VDC	12-30VDC	12-30VDC	12-30VDC	12-30VDC	5VDC

Pressure range

Code	Pressure type	Range	Overpressure	Breaking pressure
1R	G ∨ A	0~35 kPa	150%F.S.	500%F.S.
2R	G	0~70 kPa	150%F.S.	500%F.S.
3R	G ∨ A	0~100 kPa	150%F.S.	300%F.S.
4R	G ∨ A	0~250 kPa	150%F.S.	300%F.S.
5R	G ∨ A	0~400 kPa	150%F.S.	300%F.S.
6R	G ∨ A	0~600 kPa	150%F.S.	300%F.S.
7R	G ∨ A ∨ S	0~1 MPa	150%F.S.	300%F.S.
8R	G ∨ S	0~1.6 MPa	150%F.S.	300%F.S.
9R	G ∨ S	0~2.5 MPa	150%F.S.	300%F.S.
10R	S	0~4 MPa	150%F.S.	300%F.S.
11R	S	0~6 MPa	150%F.S.	300%F.S.
12R	S	0~10 MPa	150%F.S.	300%F.S.
13R	S	0~16 MPa	150%F.S.	300%F.S.
14R	S	0~25 MPa	150%F.S.	300%F.S.
15R	S	0~40 MPa	150%F.S.	300%F.S.
16R	S	0~60 MPa	150%F.S.	200%F.S.
17R	S	0~100 MPa	120%F.S.	150%F.S.
18R	—	-100~0 kPa	150%F.S.	500%F.S.
19R	—	-100~100 kPa	150%F.S.	500%F.S.

Note : G: gauge pressure ∨ A: absolute pressure ∨ S: sealed pressure

How to order

PT-HT Pressure Transmitter for High Temperature									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
2P	Pressure connection	2P	1/4" PT	O	Other	—	—	—	—
304	Pressure connection Material	304	SS304	O	Other	—	—	—	—
H	Electrical connection	H	Hirschmann connector	C	Cable outlet	—	—	—	—
Custom	Pressure range	Please refer to Pressure Range Table and select corresponding code							
A1	Media temperature	A1	-30°C~105°C	AT2	0°C~350°C	—	—	—	—
Custom	Output Signal and Power Supply	Please refer to Output Signal and Power Supply Table and select corresponding code							
T3	Heat sin	T3	3 pieces	T5	5 pieces	T7	7 pieces	—	—
/B	Other requests	/A	Third party notarized document						
		/B	Inspection report (issued by Re-Atlantis)						
		/C	Tag						
		/D	Install a LCD display meter						

Order example: PT-HT - 2P - 304 - H - 15R - A1 - C5 - T3 - /B