

ASPT-11

High Temperature Pressure Transmitter

150 Deg C | 250 Deg C | 350 Deg C



Your Engineering Partner

Product Overview

ASPT-11t High Temperature Pressure Transmitter adopts the high temperature resistant pressure sensor as the signal measuring element, and through the heat dissipation structure for the transmitter, the measured medium pressure is transmitted to the sensor; the high-precision signal processing circuit is located in the stainless steel housing, and transforms the sensor output signal into the standard output signal.



FEATURES

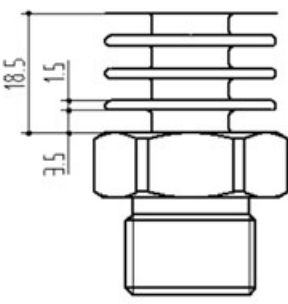
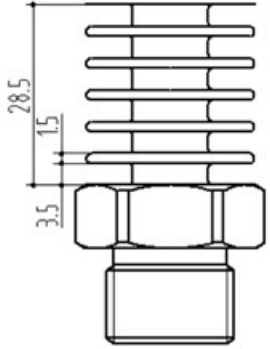
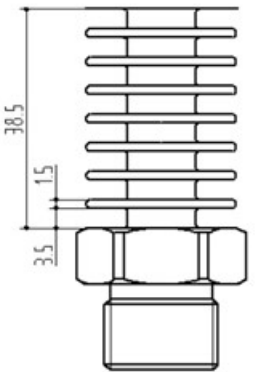
- SS316L diaphragm structure
- Using the imported high temperature resistant chip
- Applicable to wide medium temperature range
- Strong anti-interference, good long-term stability
- Directly contacting with the measured high temperature medium, and improving the pressure response frequency
- Anti-vibration, shock resistance, and corrosion resistance

APPLICATIONS

- Process control
- Aerospace
- Chemical product and chemical industry
- Servo valve and transmission

SPECIFICATIONS:

Pressure range	-1 Bar onwards upto 600 Bar
Pressure reference	Gauge pressure, Absolute pressure, Sealed gauge pressure
Supply & output	4~20mA, 0~5V, 1~5V, 0~10V, 1~10V (12~30VDC) 0.5~4.5V R/M(5VDC)
Accuracy	2%FS (pressure range -5~5kPa) 0.5%FS (the rest)
Hysteresis and repeatability	0.1%FS
Temperature drift	±1.5%FS(-20°C~85°C)
Response time	≤1ms (Up to 90%FS)
Overpressure	150%FS
Service life	≥10×10 ⁶ pressure cycles
Ambient temperature	-20°C~85°C
Medium temp.	-30°C~350°C
Storage temp.	-40°C~125°C
EMC-interference	IEC 61000-6-3
Insulation resistance	≥100MΩ/250VDC(200MΩ/500VDC)
Anti-vibration performance	Sine curve: 20g, 25Hz~2kHz; IEC 60068-2-6 Random: 7.5grms, 5Hz~1kHz; IEC 60068-2-64
Shock resistance	Shock: 200g/1ms; IEC 60068-2-27 Free falling body: 1m; IEC 60068-2-32
Protection grade	IP65
Medium compatibility	All kinds of media compatible with SS316L
Net weight	220~360g
Cooling fan	3 pieces, 5 pieces, 7 pieces

Cooling fan code	3 pieces	5 pieces	7 pieces
Dimension In mm			
Cooling fan selection	Medium temperature $\leq 150^{\circ}\text{C}$	$150^{\circ}\text{C} <$ Medium temperature $\leq 250^{\circ}\text{C}$	$250^{\circ}\text{C} <$ Medium temperature $\leq 350^{\circ}\text{C}$

Note: For the cooling fan selection, please consider the on-site ventilation environment.