

Ultra High Temperature (300°C) Pressure Sensor



- Object media temperature measurable up to 300°C (250°C ambient).
- Oil-less (No oils such as silicon oil used).
- Signal output selectable either 4 to 20mA or 0 to 5V (with external amplifier).
- SUS316L used for gas (fluid) contacting area (HASTELLOY® used for diaphragm).
- Various joint types available.
- For both of PCH-1004/1005, output reference can be set to vacuum (-100KPa) (Specify when you order).

Specification

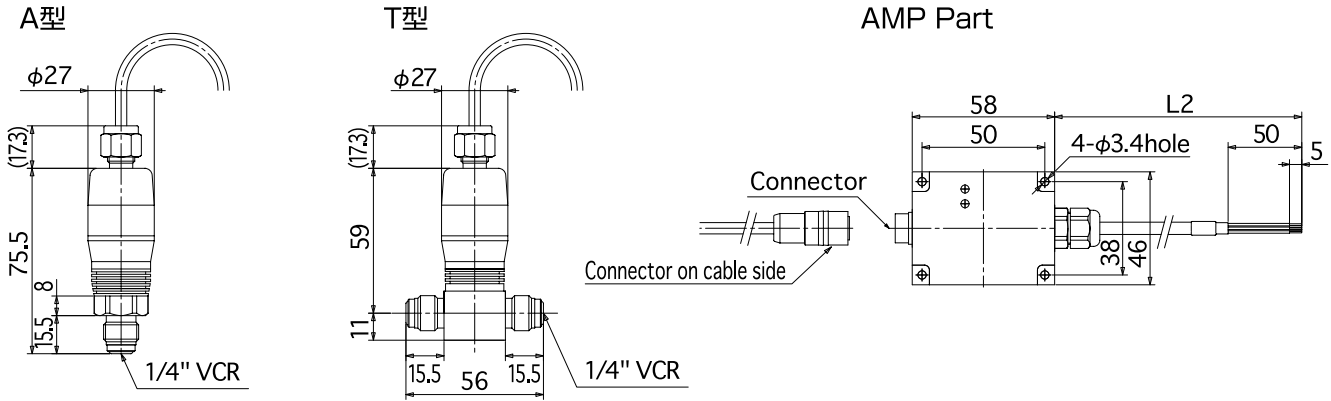
Model	Gauge Pressure			
	KPa	300KPG	500KPG	1MPG
Pressure Range	kgf/cm ²	0 to 3.059	0 to 5.098	0 to 10.19
	PSI	0 to 43.5	0 to 72.5	0 to 145

※Output reference can be set to vacuum (-100KPa) as option. Specify when you order.

Accuracy (% Full Scale)	±1%
Overload Pressure	Full Scale ×2
Excitation (Power Supply) Voltage	DC 24V ± 10%
Storage Temperature	-10 to 300℃ (ambient temperature: -10 to 250℃) (no power distribution)
Guaranteed Temperature	0 to 250℃ (ambient temperature: 0 to 200℃)
Temperature Drift	±0.05% FS/℃
External Leakage	2 × 10 ⁻¹¹ Pa · m ³ /sec
Gas (Fluid) Contacting Area	Body: SUS316L (electrochemical polishing) Diaphragm part: HASTELLOY [®] material
Joint	1/4" (Standard) , 3/8" , 1/2" VCR [®] (Standard) , Swagelok [®] , and others

Model	1004	1005
Signal Output	4 to 20mA	0 to 5V
Span	16mA ± 0.16mA	5V ± 0.5V
Offset	4mA ± 0.4mA	0V ± 0.1V

Dimensional Outline Drawings



How to Order

Signal Output	Piping Connection	Bore Diameter	Shape of Joint	Pressure Range	Figuration of Screw	Output Standard	Length of cable between sensor and amplifier	Length of cable between amplifier and power supply
PCH - 1004	A	03	VR	- 300KPG	- M	- V	- 1	- 1
1004 : 4 to 20mA 1005 : 0 to 5V	Blank : 1/4" (Standard) 03 : 3/8" 04 : 1/2"	300KPG : 0 to 300KPa 500KPG : 0 to 500KPa 1MPG : 0 to 1,000KPa	Blank : Atmosphere Pressure V : Vacuum	A : Straight T : T Angle	VR : VCR [®] (Standard) SW : Swagelok [®]	M : Male Screw (Standard) F : Female Screw	1 : 1m 2 : 2m (After this, by 1m)	

※Specification is subject to change without notice.