



HJI

Features 1.Compact 2.Sanitary type

- Sanitary-type pressure sensor easy to clean
- IDF clamp 2S mounting structure (ferrule type)
- High accuracy and excellent durability for a wide range of pressures
- Output signal of 4 to 20 mADC from a built-in amplifier circuit



Specifications

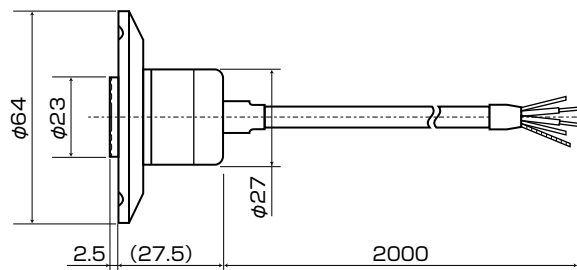
Model	HJI						
	N-100KP	-020KP	-050KP	-100KP	-300KP	-500KP	-001MP
Rated pressure ※ 1	0 to -100kPa	0 to 20kPa	0 to 50kPa	0 to 100kPa	0 to 300kPa	0 to 500kPa	0 to 1MPa
Pressure type	Gauge pressure ※ 2						
Overpressure	150% of the rated pressure						
Wetted part material	Diaphragm : SUS316L Pressure port : SUS316						
Sealing liquid	Silicone oil						
Applicable media	Gas and fluid (media not damaging the wetted part material)						
Power supply	12 to 28VDC						
Output	4 to 20mADC						
Load resistance	600 Ω or less (at power of 24 VDC)						
Responsiveness	5msec or less						
Accuracy (linearity)	± 0.5% F.S. or less ※ 3 (± 0.3% F.S. or less)						
Temperature characteristics	± 0.05% F.S. / °C or less (0 to 60°C)						
Compensated temperature range	0 to 60°C						
Operating temperature range	- 10 to 80°C (no freezing allowed)						
Operating humidity range	35 to 85% RH (no dew condensation allowed)						
Pressure connection port	IDF clamp 2S (ferrule type)						
Cable	φ 6 vinyl (コネクタ付) : 2000mm (standard) Shield cable + atmospheric relief pipe						
Structure	IP65						
Insulation resistance	100M Ω or more / 500VDC						
Withstand voltage	500VAC, 1 minute						
Vibration resistance	98.1m / s ² , 2 hours (X, Y, and Z directions)						
Weight	Approx 220g						
Impact of mounting orientation (port orientation changed from downward to sideways)	+ 0.1% F.S.	+ 0.5% F.S.	+ 0.3% F.S.	+ 0.1% F.S.			

※ 1. We also manufacture compound pressure sensors (gauge pressure of 500 kPa or less).

※ 2. Make sure that the operating vacuum pressure is 10 kPa abs or more. (Operating temperature range: 0 - 60°C)

※ 3. We also manufacture high-accuracy pressure sensors (accuracy: ± 0.25% F.S. or less).

Dimensions (Units : mm)



Cables / wires

	HJI
Red	Power supply +
White	Power supply -
Atmospheric relief pipe	Yes

Model

H J I N - 0 5 0 K P - 0 2

Type Output mode Special Pressure range Unit of pressure Cable length
I : 電流 **Space** : Positive pressure **KP** : kPa **Space** : 0.5m
N : Negative pressure **MP** : MPa **02** : 2m
C : Compound pressure **05** : 5m
10 : 10m