

HXV · HXI

Features 1.Compact 2.Flat type

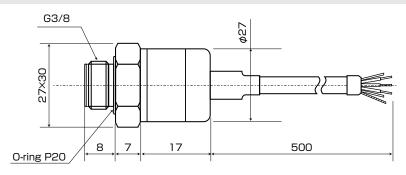
- Flat-type pressure sensor ideal for measuring the pressure of viscous fluid
- Gauge pressure sensors with a stainless steel diaphragm structure
- 32-mm-long sensor with an ultra compact built-in amplifier
- Wetted part easy to clean and ideal for measuring the pressure of medicinal solution and other types of fluid

Specifications

Model	HXV • HXI				
Model	N-100KP	-100KP	-300KP	-500KP	-001MP
Rated pressure * 1	0 to -100kPa	0 to 100kPa	0 to 300kPa	0 to 500kPa	0 to 1MPa
Pressure type	Gauge pressure * 2				
Overpressure	HXV: 200% of the rated pressure / HXI: 150% of the rated pressure				
Wetted part material	Diaphragm: SUS316L Pressure port: SUS316L O-ring: Fluororubber (standard)				
Sealing liquid	Silicone oil				
Applicable media	Gas and fluid (media not damaging the wetted part material)				
Power supply	12 to 28VDC				
Output	HXV: 1 to 5VDC / HXI: 4 to 20mADC				
Current consumption	HXV: 6mA or less				
Load resistance	HXV: 1k Ω or more $/$ HXI: 600 Ω or less (at power of 24 VDC)				
Responsiveness	5msec or less				
Accuracy	± 0.5% F.S. or less ∗3				
(linearity)	(± 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	G3/8				
Cable	ϕ 6 vinyl : 500mm \angle 2000mm (standard) Shield cable + atmospheric relief pipe				
Structure	IP65				
Insulation resistance	100M Ω or more \angle 500VDC				
Withstand voltage	500VAC, 1 minute				
Vibration resistance	98.1 m $/$ s ² , 2 hours (X, Y, and Z directions)				
Weight	Approx 150g				
Impact of mounting orientation (port orientation changed from downward to sideways)	+ 0.1% F.S.	+ 0.1% F.S.			

- * 1.We also manufacture compound pressure sensors (gauge pressure of 500 kPa or less).
- st 2.Make sure that the operating vacuum pressure is 10 kPa abs or more. (Operating temperature range: 0 60°C)
- $\fint 3$. We also manufacture high-accuracy pressure sensors (accuracy: \pm 0.25% F.S. or less).

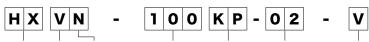
Dimensions (Units: mm)



Cables / wires

	HXV	HXI			
Red	Power supply +	Power supply +			
White	Output	Power supply -			
Black	Common	_			
Atmospheric relief pipe	Yes	Yes			

Model



Type Output mode Special Pressure range Unit of pressure Cable length O-ring

V: Voltage **Space**: Positive pressure **KP**: kPa **Space**: 0.5m **V**: Fluororubber

 I : Current
 N : Negative pressure
 MP : MPa
 02 : 2m
 N : NBR

 C : Compound pressure
 05 : 5m
 X : Other

10: 10m