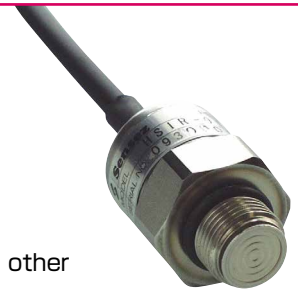




HSV • HSI

Features 1.Compact 2.For medium and high pressure

- Medium and high pressure sensor with a stainless steel diaphragm structure
- Flat-type diaphragm ideal for measuring the pressure of viscous fluid
- The wetted part is made of SUS316 or SUS316L that has high corrosion resistance.
- Wetted part easy to clean and ideal for measuring the pressure of medicinal solution and other types of fluid



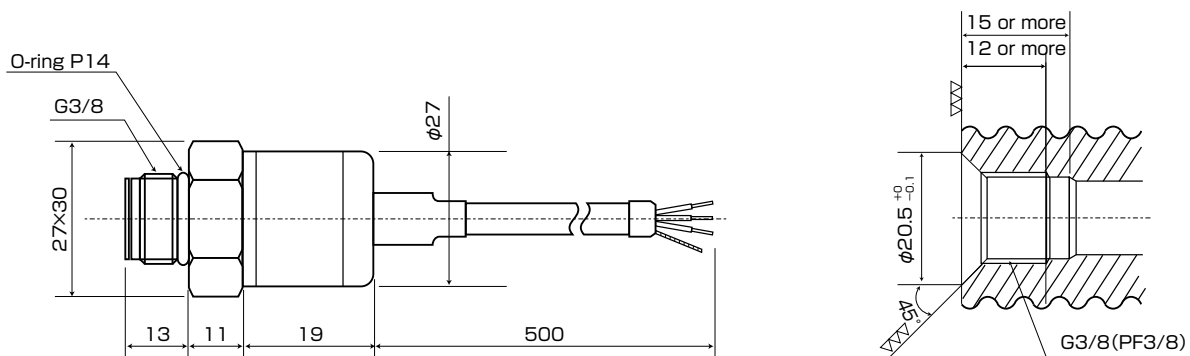
Specifications

Model	HSVR • HSIR					
	-002MP	-003MP	-005MP	-010MP	-020MP	-035MP
Rated pressure	0 to 2MPa	0 to 3MPa	0 to 5MPa	0 to 10MPa	0 to 20MPa	0 to 35MPa
Pressure type	Shield gauge pressure					
Overpressure	HSVR : 200% of the rated pressure / HSIR : 150% of the rated pressure					140%
Wetted part material	Diaphragm : SUS316L Pressure port : SUS316 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	HSVR : 1 to 5VDC / HSIR : 4 to 20mADC					
Current consumption	HSVR : 6mA or less					
Load resistance	HSVR : 1k Ω or more / HSIR : 600 Ω or less (at power of 24 VDC)					
Responsiveness	5msec or less					
Accuracy (linearity)	± 0.5% F.S. or less * 1 (± 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	- 20 to 80°C (no freezing allowed)					
Operating humidity range	35 to 85% RH (no dew condensation allowed)					
Pressure connection port	G3/8 * 2					
Cable	φ 6 vinyl : 500mm / 2000mm (standard) Shield cable					
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 150g					

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

* 2.Conversion joints (models: G3R3 and G3R2) and damper joints (model: G3R3-DSM5) are available. (See page 53 of the catalog.)

Dimensions (Units : mm)



Cables / wires

	HSVR	HSIR
Red	Power supply +	Power supply +
White	Output	Power supply -
Black	Common	—

Model

