



JW-5000



Features 1. Waterproof connector type 2. For medium and high pressure

- Medium and high pressure sensor with a stainless steel diaphragm structure
- Outdoor specification / Waterproof IP67 structure
- Flat-type diaphragm ideal for measuring the pressure of viscous fluid
- Easy-to-handle waterproof connector type
- Semiconductor type with high precision and excellent durability
- Output signal of 1 to 5 VDC or 4 to 20 mADC from a built-in amplifier circuit

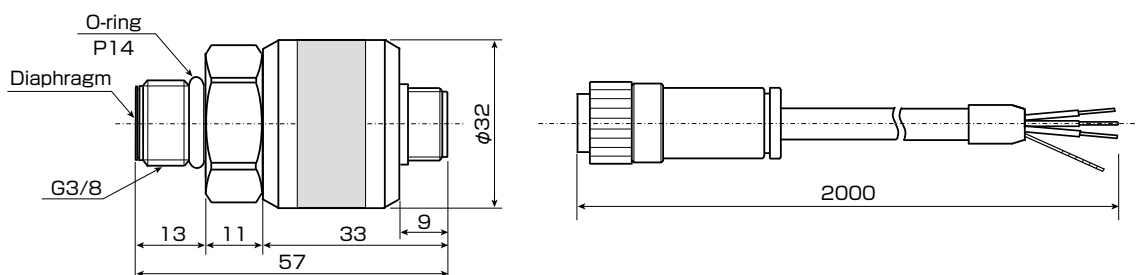
Specifications

Model	JW-5300 / JW-5200					
	-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	JW-5300 : 200% of the rated pressure / JW-5200 : 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	JW-5300 : 1 to 5VDC / JW-5200 : 4 to 20mADC					
Current consumption	6mA or less					
Load resistance	JW-5300 : 1k Ω or more / JW-5200 : 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 (with connector) : 2000mm (standard) Shield cable					
Structure	IP67					
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 1210g					

* 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.)

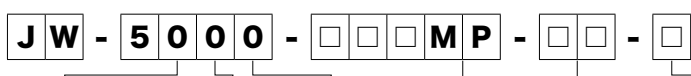
Dimensions (Units : mm)



Cables / wires

	JW-5300	JW-5200
Red	Power supply +	Power supply +
White	Output	Power supply -
Black	Common	—

Model



- | | | | | | |
|-------------------------------------|------------------------------|---------------------------------|-------------------------|---------------------|-------------------------|
| Output mode | Pressure type | Special | Unit of pressure | Cable length | O-ring |
| 1 : Element | 0 : Positive pressure | 0 : None | | 02 : 2m | V : Fluororubber |
| 2 : Current 4 - 20mA | | 1 to 9 : Special * 3 | | 05 : 5m | N : NBR |
| 3 : Voltage 1 - 5V | | (Accuracy / Output / unit etc.) | | 10 : 10m | X : Other |
| 4 : Voltage 1 - 2V / 6 - 12V | | | | | |

* 3. We also manufacture protection cover type sensors (special code B).