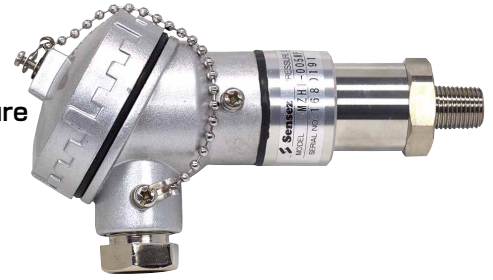


MZHI

Features 1. Terminal box type 2. Titanium medium and high pressure

- Terminal box type of the "ZHI series" titanium pressure sensor
- Pressure range: 3 to 10 MPa
- Outdoor specification / Waterproof IP67 structure
- Support of media such as seawater and brackish water
- Output signal of 4 to 20 mA DC from a built-in amplifier circuit

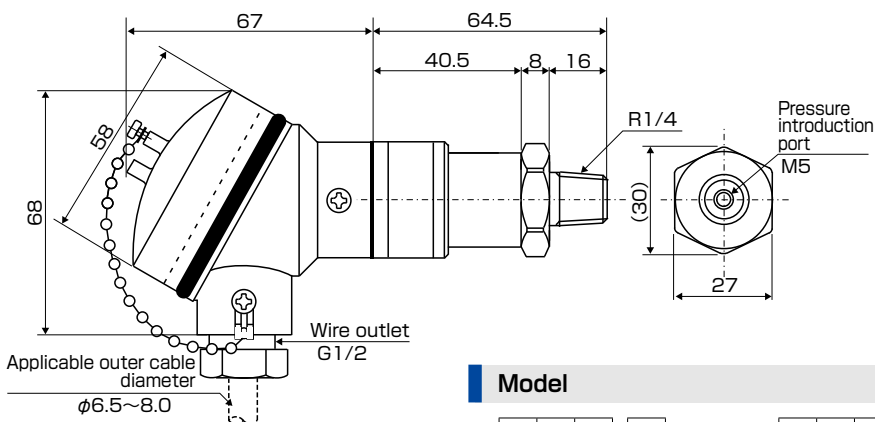


Specifications

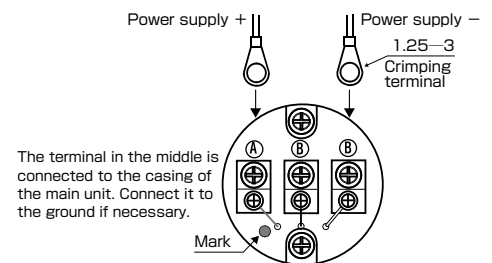
Model	MZHI		
	-003MP	-005MP	-010MP
Rated pressure	0 to 3MPa	0 to 5MPa	0 to 10MPa
Pressure type	Shield gauge pressure		
Overpressure	MZHV : 200% of the rated pressure / MZHI : 150% of the rated pressure		100%
Wetted part material	Diaphragm : Titanium Pressure port : Titanium		
Sealing liquid	Silicone oil		
Applicable media	Gas and fluid (media not damaging the wetted part material)		
Power supply	12 to 28VDC		
Output	4 to 20mA DC		
Load resistance	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 (Measurement medium temperature)	- 20 to 80°C (no freezing allowed) - 20 to 100°C (no freezing allowed)		
Operating humidity range	35 to 85% RH (no dew condensation allowed)		
Pressure connection port	R1/4		
Terminal box	Material : Aluminum die casting		
Wire outlet	G1/2	Applicable outer cable diameter : φ 6.5 to 8.0	
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 300g		

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

Dimensions (Units : mm)



Internal terminal block / wires



Model

M Z H I - 0 0 5 M P

Type

Output mode
I : Current

Pressure range

Unit of pressure
KP : kPa
MP : MPa