



This is I.T. Co., Ltd.

1878 Moo 1 Soi Bearing 44 Sukhumvit 107 Rd.

T.Samrongnua A.Muang Samutprakarn Thailand 10270

Hot Line: 091-095-8123 Site: www.thisisit.co.th E-mail: sales@thisisit.co.th

HVJS – SMALL & HIGH TEMPERATURE PRESSURE TRANSDUCER

Features

- Small size. Light weight (40 grams per unit, excluding cable).
- Meeting high temperature requirement (150°C)
- Using stainless steel material (SUS630) in pressure receiving surface for insuring excellent corrosion proof capabilities.
- Accuracy class: 0.5% RO.



Specifications

Safe Overload	120%RC
Rated Output	1.0mV/V±20% (1MPa) 1.5mV/V±20% (2MPa to 50MPa)
Nonlinearity	0.5%RO
Hysteresis	0.5%RO
Repeatability	0.3%RO
Excitation Voltage	4V (or less)
Safe Excitation Voltage	6V
Input Resistance	370Ω
Output Resistance	350Ω
Compensated Temp.Range	-10 to 150°C
Safe Temp.Range	-20 to 165°C
Temp.Effect on Zero	0.08RO/°C
Temp.Effect on Output	0.01%/°C
Cable	Φ4mm-4wire shielded heat-resistant cable, length : 5m
Attached connector	PRC03-12A10-7M



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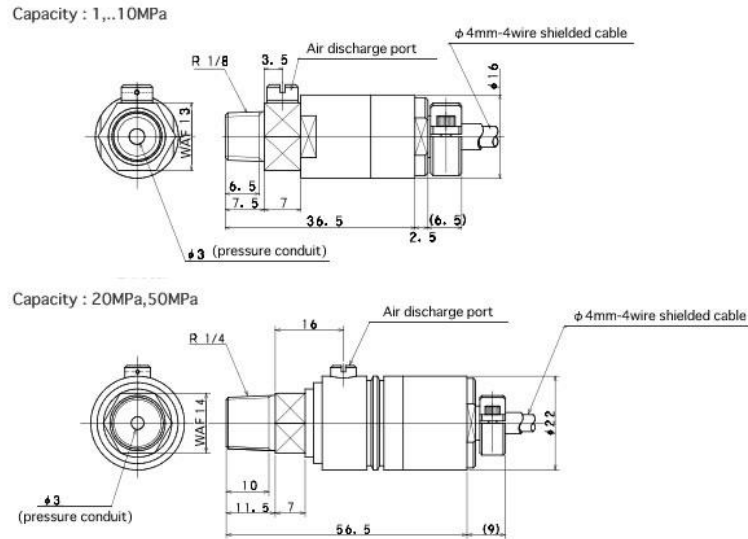
SHOWA MEASURING INSTRUMENTS INC.

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Appearance Dimensions



Model and Capacity / Frequency response / etc. (unit : mm)

Model	Capacity	Natural frequency	Weight
HVJS-1MPa	1MPa(10.20kgf/cm ²)	38kHz	40g
HVJS-2MPa	2MPa(20.39kgf/cm ²)	60kHz	40g
HVJS-5MPa	5MPa(50.99kgf/cm ²)	95kHz	40g
HVJS-10MPa	10MPa(102.0kgf/cm ²)	165kHz	40g
HVJS-20MPa	20MPa(203.9kgf/cm ²)	150kHz	110g
HVJS-50MPa	50MPa(509.9kgf/cm ²)	240kHz	110g

- The weight indicated in the tables of this data sheet does not include the weight of relay cables.
- The numerical values of the natural frequency indicated in this data sheet are the calculated values of the independent single elastic body. The pressure response is dependent on features of the pressure media and so on.



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