



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](http://www.thisisit.co.th) E-mail: [sales@thisisit.co.th](mailto:sales@thisisit.co.th)

# HVU – PRESSURE TRANSDUCER

## Features

- For versatile applications. High stability type.
  - Pressure conduit type. Airtight structure.
  - All stainless steel made.
  - Accuracy class: 0.3% RO, excluding some rated capacities.
  - With direct drawn out cable in the standard version.
- Can change to special versions with NDIS connector or with waterproof connector on optional orders.



## Specifications

<b>Safe Overload</b>	120%RC
<b>Rated Output</b>	1.5mV/V±1% (1MPa) 2.0mV/V±1% (2MPa to 50MPa)
<b>Nonlinearity</b>	0.5%RO (1MPa) 0.3%RO (2MPa to 50MPa)
<b>Hysteresis</b>	0.5%RO (1MPa) 0.3%RO (2MPa to 50MPa)
<b>Repeatability</b>	0.3%RO (1MPa) 0.2%RO (2MPa to 50MPa)
<b>Excitation Voltage</b>	10V (or less)
<b>Safe Excitation Voltage</b>	15V
<b>Input Resistance</b>	350Ω
<b>Output Resistance</b>	350Ω
<b>Compensated Temp.Range</b>	-10 to 60°C
<b>Safe Temp.Range</b>	-20 to 80°C
<b>Temp.Effect on Zero</b>	0.03%RO/°C (1MPa) 0.02%RO/°C (2MPa to 50MPa)
<b>Temp.Effect on Output</b>	0.05%/°C
<b>Connector(on body)</b>	Receptacle / PRC03-21A10-7F
<b>Attached cable</b>	L-A-5



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Tokyo Japan



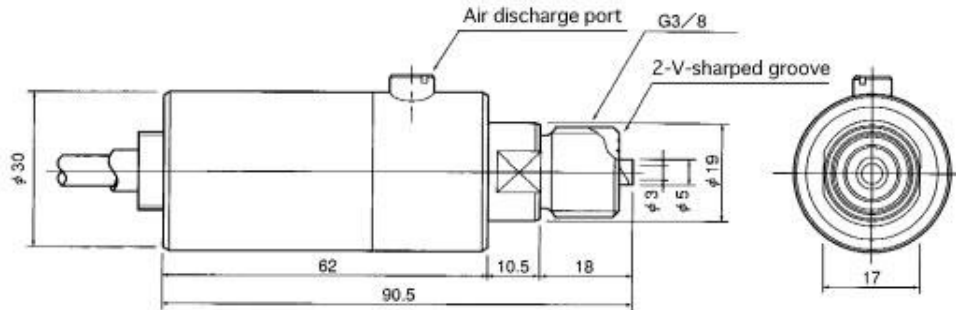
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## Appearance Dimensions



Model	Capacity	Natural frequency	Weight
HVU-1MPa	1 MPa(10.20 kgf/cm <sup>2</sup> )	16 kHz	250 g
HVU-2MPa	2 MPa(20.39 kgf/cm <sup>2</sup> )	17 kHz	250 g
HVU-5MPa	5 MPa(50.99 kgf/cm <sup>2</sup> )	40 kHz	250 g
HVU-10MPa	10 MPa(102.0 kgf/cm <sup>2</sup> )	65 kHz	250 g
HVU-20MPa	20 MPa(203.9 kgf/cm <sup>2</sup> )	60 kHz	250 g
HVU-50MPa	50 MPa(509.9 kgf/cm <sup>2</sup> )	94 kHz	250 g
HVU-1MPa	1 MPa(10.20 kgf/cm <sup>2</sup> )	16 kHz	250 g

- 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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