

PDU-A

- Max. line pressure: 30 MPa
- 50 kPa to 2 MPa

Stainless Steel Differential Pressure Transducer



*CE compliant models are available. Inquiries are welcome.
*TEDS-installed models are available. Inquiries are welcome.

Corrosion resistant Built-in variable damping mechanism

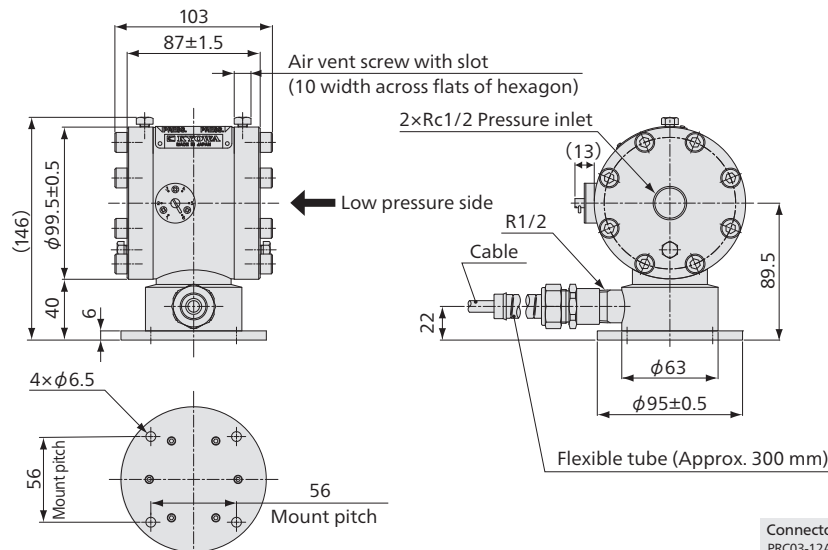
- Overload protection mechanism

The differential pressure transducer which equipped with a damping adjustment mechanism that can adjust the response frequency.

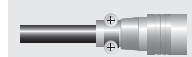
Note 1: Stainless steel is used for liquid-contacting part.
Avoid measuring corrosive liquid or gas.

Note 2: If an overload of 30 MPa is applied to either high or low pressure side, the transducer is not damaged.

■ Dimensions



Connector plug
PRC03-12A10-7M



Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.2\%$ RO (50KP to 500KP) Within $\pm 0.25\%$ RO (1, 2 MP)
Hysteresis	Within $\pm 0.2\%$ RO (50KP to 500KP) Within $\pm 0.25\%$ RO (1, 2 MP)
Rated Output	1.5 mV/V $\pm 0.5\%$

Environmental Characteristics

Safe Temperature	-30 to 90°C
Compensated Temperature	-20 to 80°C
Temperature Effect on Zero	Within $\pm 0.01\%$ RO/°C (50KP, 100KP: Within $\pm 0.02\%$ RO/°C)
Temperature Effect on Output	Within $\pm 0.01\%$ /°C (50KP, 100KP: Within $\pm 0.02\%$ /°C)

Electrical Characteristics

Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	350 Ω $\pm 1\%$
Output Resistance	350 Ω $\pm 1\%$
Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 7.6 mm diameter by 5 m long, terminated with a connector plug PRC03-12A10-7M (Shield wire is connected to the case.)

Mechanical Properties

Safe Overloads	150%
Maximum Line Pressure	30 MPa
Weight	Approx. 6 kg (Excluding cable)

*To use for gases, contact us.

Models	Rated Capacity
PDU-A-50KP	50 kPa
PDU-A-100KP	100 kPa
PDU-A-200KP	200 kPa
PDU-A-500KP	500 kPa
PDU-A-1MP	1 MPa
PDU-A-2MP	2 MPa



Pressure Transducers

Outline

General

High temp.
Low temp.

Absolute pressure
High pressure

Pressure transmitter

Differential pressure

Distributed pressure