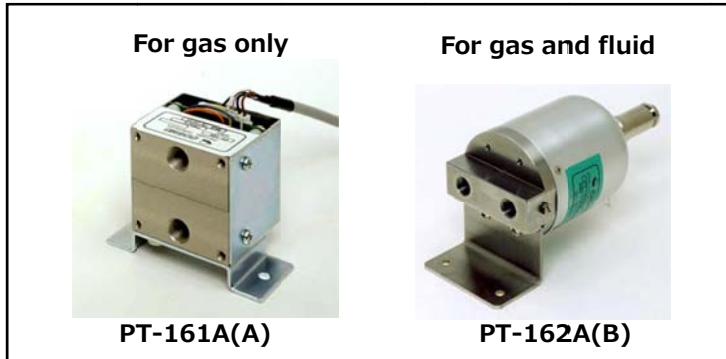


PRODUCT INFORMATION

Highly responsive differential-pressure type pressure transducer

Highly responsive differential-pressure type sensor with 0.5 msec. 99% step response
PT-162A(B) can measure differential pressure of fluids such as water



PT-161A(A)
PT-162A(B)

■ Features

- Can measure differential pressure with high responsiveness (0.5 msec. 99% step response).
- PT-162A(B) can measure differential pressure of air and fluid.
- PT-162A(B), which has air vent and is drip-proof, is optimum for measurement of water differential pressure.
- Gauge pressure and differential pressure are selectable.
- Insusceptible to noise with amplifier installed in the main unit.

■ Specifications

Sensing element		Fluoro silicone
Measuring media		PT-161A(A): Air, noncorrosive gas PT-162A(B): Water, air, noncorrosive fluid, noncorrosive gas
Pressure type		Differential pressure, Gauge pressure (LOW port opened to the atmosphere)
Accuracy		±0.5% of F.S. (Linearity, repeatability and hysteresis included)
Temperature characteristics	Zero	±0.03% of F.S./°C
	Span	±0.03% of F.S./°C
Permissible overpressure		7 kPa & 35 kPa: 140 kPa 100 kPa: 300 kPa 200 kPa: 400 kPa 700 kPa: 1.4 MPa
Permissible line pressure		Within the range of permissible overpressure
Response speed		0.5 msec 99% step response
Power source		±15 VDC (Current consumption: 10 mA or lower)

External dimensions	PT-161A(A): 42 × 44 × 39 mm PT-162A(B): φ54 × 76 mm (117 mm: Including the connector)
Weight	PT-161A(A): Approx. 185 g, PT-162A(B): Approx. 500 g
Input pressure connection port	Rc (PT) 1/8
Operating temperature	5 to 40°C
Range	PT-161A(A) PT-162A(B) 0 to 7 kPa 0 to 35 kPa 0 to 100 kPa 0 to 200 kPa 0 to 700 kPa
Output voltage	0 to 5 VDC *Load resistance: 5 kΩ or higher
Signal connection	PT-161A(A): Cable (2 m) connected PT-162A(B): Connector attached without cable
Optional range	High accuracy ±0.3% of F.S.

■ Option for Combined Use

For an option, the PT-162A(B) can be used as a digital pressure gauge by combining it with the indicator unit of DP Gauge.



* The contents in this PRODUCT INFORMATION are as of Feb. 2017. The specifications are subject to change without prior notice.

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