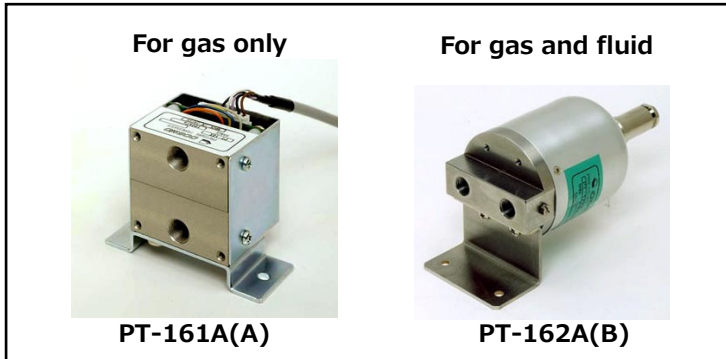


# PRODUCT INFORMATION

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.

### ■ Application Examples

- Analysis of pressure pulsation
- Check of fluid pipe differential pressure
- Measurement of clogging in the pipe
- Tank level gauge
- Others

### ■ Specifications

Sensing element		Fluoro silicone	External dimensions		PT-161A(A): 42 × 44 × 39 mm PT-162A(B): φ54 × 76 mm (117 mm: Including the connector)
Measuring media		PT-161A(A): Air, noncorrosive gas PT-162A(B): Water, air, noncorrosive fluid, noncorrosive gas	Weight		PT-161A(A): Approx. 185 g, PT-162A(B): Approx. 500 g
Pressure type		Differential pressure, Gauge pressure (LOW port opened to the atmosphere)	Input pressure connection port		Rc (PT) 1/8
Accuracy		±0.5% of F.S. (Linearity, repeatability and hysteresis included)	Operating temperature		5 to 40°C
Temperature characteristics	Zero	±0.03% of F.S./°C	Range		PT-161A(A) PT-162A(B) 0 to 7 kPa 0 to 35 kPa 0 to 100 kPa 0 to 700 kPa
	Span	±0.03% of F.S./°C			
Permissible overpressure		7 kPa & 35 kPa: 140 kPa 100 kPa: 300 kPa 700 kPa: 1.4 MPa	Output voltage		0 to 5 VDC *Load resistance: 5 kΩ or higher
Permissible line pressure		Within the range of permissible overpressure	Signal connection		PT-161A(A): Cable (2 m) connected PT-162A(B): Connector attached without cable
Response speed		0.5 msec 99% step response	Optional range		High accuracy ±0.3% of F.S.
Power source		±15 VDC (Current consumption: 10 mA or lower)			

### ■ 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 December 2020. The specifications are subject to change without prior notice.

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