PAA

Current-output Pressure Transducer



*Figure is PAA-R.

Ideal for industrial equipment pressure measurement and remote pressure measurement with cable extension

- **Rated capacity: 500 kPa to 50 MPa**
- **Available with detachable or integrated cable**
- **High safe overloads (200%)**

Current transmission pressure transducers with 4 to 20 mA output, with a dedicated amplifier built into the strain gage type pressure sensor. They are ideal for industrial equipment or remote pressure measurement.

To Ensure Proper Usage

If using a UCAM-80A static strain measuring instrument, etc. to measure in voltage mode, use a 250 Ω resistor to convert to voltage.

Specifications

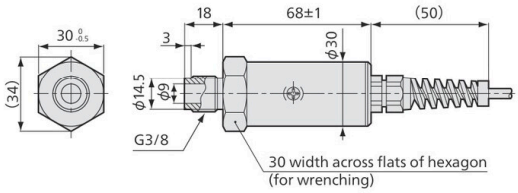
Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±0.2% RO
Hysteresis	Within ±0.2% RO
Current Output	4 to 20 mA
Environmental Characteristics	
Safe Temperature	−20 to 80℃
Compensated Temperature	−20 to 70℃
Temperature Effect on Zero	Within ±0.03% RO/℃
Temperature Effect on Output	Within ±0.02%/℃
Electrical Characteristics	
SN Ratio	50 dB or more
Load Resistance	0 to 500 Ω
Cutoff Frequencies of AMP	1 kHz (Amplitude ratio at cutoff point −3 ±1 dB)
Power Supply	24 VDC (21 to 30 V), 30 mA or less
Cable	PAA-R 4-conductor (0.18 mm²) vinyl shielded cable, 4.6 mm diameter by 3 m long, bared at the tip (use 3 conductors only)
	PAA-U 4-conductor (0.3 mm²) chloroprene shielded cable, 7.6 mm diameter by 3 m long, Sensor side: Terminated with a waterproof connector plug 1108-12A10-7F Measuring instrument side: Bared at the tip (use 3 conductors only)
	(Shield wire is not connected to the case.)
Mechanical Properties	
Safe Overloads	200%
Material	Case: SUS (Metallic finish)
	Liquid-contacting part: SUS630
Weight	Approx. 200 g (Excluding cable)
Degree of Protection	IP64 (JIS C 0920/IEC 60529)

■Standard Accessories Gasket (Mild copper)

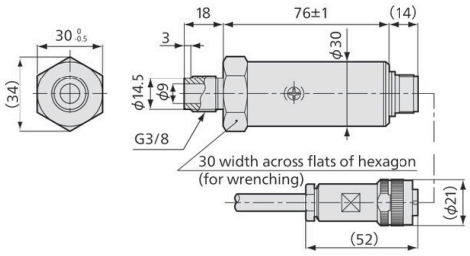
■Models

Model		Rated Capacity
Cable Integrated Type	Connector Type	
PAA-5KR	PAA-5KU	500 kPa
PAA-10KR	PAA-10KU	1 MPa
PAA-20KR	PAA-20KU	2 MPa
PAA-50KR	PAA-50KU	5 MPa
PAA-100KR	PAA-100KU	10 MPa
PAA-200KR	PAA-200KU	20 MPa
PAA-300KR	PAA-300KU	30 MPa
PAA-500KR	PAA-500KU	50 MPa

■Dimensions



PAA-R



PAA-U

