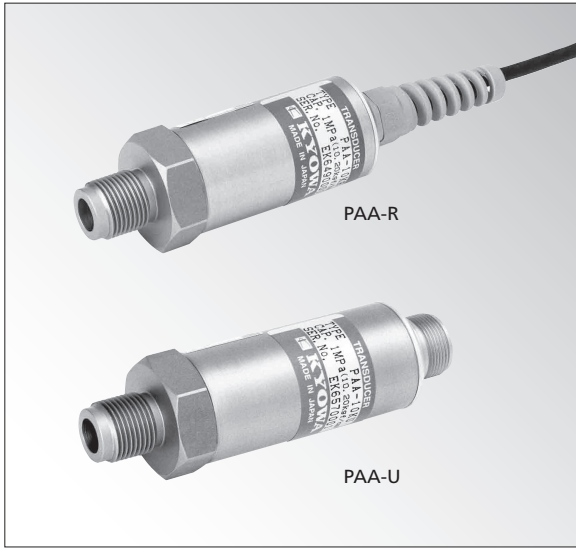


PAA-R/U

- Highly Resistant against Noise during Transmission
- 500 kPa to 50 MPa

Current-Output Pressure Transducers



PAA-R

PAA-U

Specifications

Performance

Rated Capacity :	See table below.
Nonlinearity :	Within±0.2% RO
Hysteresis :	Within±0.2% RO
Rated Output :	4 to 20 mA

Environmental Characteristics

Safe Temperature Range :	-20 to 80°C
Compensated Temperature Range :	-20 to 70°C
Temperature Effect on Zero Balance :	Within±0.03% RO/°C
Temperature Effect on Output :	Within±0.02%/°C

Electrical Characteristics

SN Ratio :	50 dB or more
Load Resistance :	0 to 500Ω
Frequency Response (Built-in Amplifier) :	DC to 1 kHz
Power Supply :	24V DC (21 to 30 V), 30 mA
Cable :	PAA-R : 4-conductor (0.18 mm ²) vinyl shielded cable, 4.6 mm diameter by 3 m long, bared at the tip
	PAA-U : 4-conductor (0.3 mm ²) chloroprene shielded cable, 7.6 mm diameter by 3 m long, bared at the tip (Shield wire is not connected to mainframe.)

Mechanical Properties

Safe Overload Rating :	200%
Materials :	Case : SUS (metallic finish) Liquid-contacting part : SUS 630
Weight :	PAA-R approx. 200g (not including cable) PAA-U approx. 200g (not including cable)
Protection Rating :	IP64
Mounting Screw :	G3/8, male

Standard Accessory Gasket (mild copper)

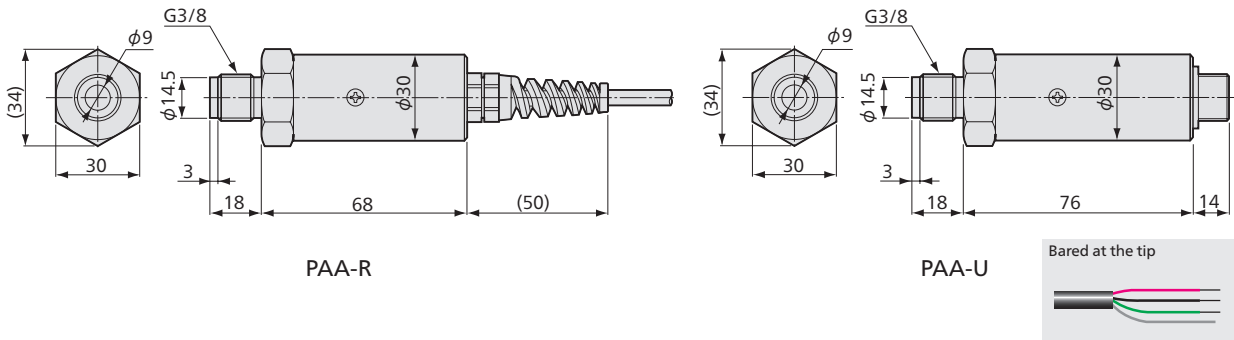
Cable-Integrated	Connector-Equipped	Rated Capacity
PAA-5KR	—	500kPa
PAA-10KR	PAA-10KU	1MPa
PAA-20KR	PAA-20KU	2MPa
—	PAA-50KU	5MPa
PAA-100KR	PAA-100KU	10MPa
PAA-200KR	PAA-200KU	20MPa
PAA-300KR	PAA-300KU	30MPa
PAA-500KR	PAA-500KU	50MPa

Suitable for Pressure Measurements of Industrial Equipments and Distant Pressure Measurement by Cable Extension

- Current output in a range of 4 to 20 mA
- Noise resistant
- High safe overload rating of 200%
- Suitable for industrial equipment/pressure control system
- Wide range of rated capacities

PAA-R/U pressure transducers have dedicated built-in amplifier and output current signals from 4 to 20mA. There is no connection by welding in pressure sensor section. The built-in amplifier adopts unique hybrid IC to reduce numbers of components resulting in increasing reliability. Because built-in amplifier amplifies detected slight voltage in transmission, amplified signals have high resistance against noises, such as inductive interference, and ensure highly accurate

Dimensions



PAA-R

PAA-U

Bared at the tip

To Ensure Safe Usage

When measuring using voltage mode such as UCAM-60B, use a 250Ω resistor to convert to voltage.

● Static measurement

● Dynamic measurement

PAA-R/U
Recommended
products for
combination

Data Loggers
UCAM-60B
→ 3-25

Memory Recorder/Analyzers
EDX-3000A
→ 3-79

