



## ■ Gauge/ Absolute Pressure Transmitter RP102

Suitable to measure liquid, gas or steam flow as well as liquid level, density and pressure.

### **Salient Features**

- Reference Accuracy up to 0.1%
- Available with RS485 Output Communication
- Standard 2-Wire, 4-20 mADC Output
- Overload Protection up to 500 bar
- Stainless Steel/ Hastelloy C Diaphragm Material
- Silicone/ Fluorine Oil as Filling Fluid
- Epoxy coated Aluminium Die Cast housing
- IP67 Grade Protection
- Economical & Value adding Solution for Industries

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## RP102Gauge/ Absolute Pressure Transmitter

### Technical Parameters

Char.	Parameter
Medium	Gas, Steam, Liquid
Range	0 – 1 kPa ~ 40 MPa
T <sub>Ambient</sub>	-40° C ~ +85° C
T <sub>Storage</sub>	-50° C ~ +85° C
T <sub>Process</sub>	-30° C ~ +125° C
Turn Down Ratio	10:1
Output	2-Wire/ 4-20 mADC Analog
Power Supply	14 – 45 VDC
Stability	±0.1%URL/ 5 years
Weight	~3.0 kg
Configuration	Through Push Button (Zero & Span)
Process Connection MOC	SS304
Filling Fluid	Silicone Oil or Fluorine Oil
Housing MOC	Die Cast Aluminium with Epoxy Coating
Nameplate MOC	SS304
Preheat time	< 15s
Alarm Current	Min. 3.6 mA Max. 21 mA
Push Button	Available on top
Display	LED Display

### RP102 Model Selection Table

10 Accuracy									
C Reference Accuracy ±0.1%									
20 Span									
B 0 – 3 ~ 6 kPa									
C 0 - 4 ~ 40 kPa									
D 0 - 25 ~ 250 kPa									
F 0 - 250 ~ 3000 kPa									
G 0 – 1000 ~ 10000 kPa									
H 0 – 2000 ~ 21000 kPa									
I 0 – 4000 ~ 40000 kPa									
L 0 - 10 ~ 40 kPa absolute									
M 0 - 25 ~ 250 kPa absolute									
N 0 - 250 ~ 3000 kPa absolute									
30 Output									
1 4-20 mADC									
2 RS485									
3 4-20 mADC/RS485									
40 Isolating Diaphragm									
S Stainless Steel 316L									
H Hastelloy C									
50 Filling Fluid									
1 Silicone Oil									
2 Fluorine Oil									
60 Process Connection									
A ½" NPT Female Thread									
B M20x1.5 Male Thread									
X Customized									
70 Electrical Interface									
1 M20x1.5 Female Thread (with cable sealing head)									
2 ½" NPT Female Thread									
80 Mounting Bracket									
A None									
B Galvanized Carbon Steel									
C 304 Stainless Steel									
90 Tag/ Name Plate/ Bit Number Location (up to 16 characters)									
1 Standard									
2 Hanging Stainless Steel Plate									