

RS PRO Pressure Transmitter

RS Stock No.: 2547401

FEATURES

Pressure range: 0~4bar

Pressure type: Gauge

Electrical connection: Angular DIN175301-803A

Accuracy: $\pm 0.5\%$ FS

Process connection: G1/2B EN 837

Medium: Air, water, mixed oil or other fluids that can be compatible with wetted parts



Pressure Transmitter

Electrical Specifications

| | |
|--|---------------------------------|
| Power supply | 8V~30V DC |
| Output signal | 4mA~20mA |
| Load resistor (Ω) | \leq (power supply-8V) /0.02A |
| Total current consumption | \leq 23mA |
| Reverse polarity protection | \leq 20M Ω (500V DC) |

Mechanical Specifications

| | |
|-------------------------|-----------------------------|
| Structure | Full welded,molecular sieve |
| Housing material | Stainless steel 316L, Nylon |
| Wetted parts | Stainless steel 316L |
| Weight | \leq 135g |

Accuracy

| | |
|-------------------------|--|
| Accuracy | \pm 0.5%FS |
| Total error band | 0~50 $^{\circ}$ C \pm 0.75%FS(max.) |
| | -10 $^{\circ}$ C~80 $^{\circ}$ C \pm 1.15%FS(max.) |

Environmental Conditions

| | |
|--------------------------------|-----------------------------------|
| Medium temperature | -30 $^{\circ}$ C~85 $^{\circ}$ C |
| Environment temperature | -30 $^{\circ}$ C~85 $^{\circ}$ C |
| Storage temperature | -40 $^{\circ}$ C~100 $^{\circ}$ C |

Operation Conditions

| | |
|-------------------------------|---|
| Atmospheric pressure | 86kPa~106kPa |
| Vibration environment | 10g (@10Hz~2000Hz) |
| Shock resistance | 100g/11ms |
| Service life | > 10 million times load cycle(within measuring range) |
| Position effect | \leq \pm 0.1%FS |
| Installation direction | Pressure port should be vertically downward |

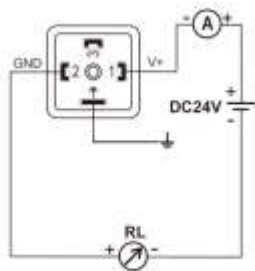
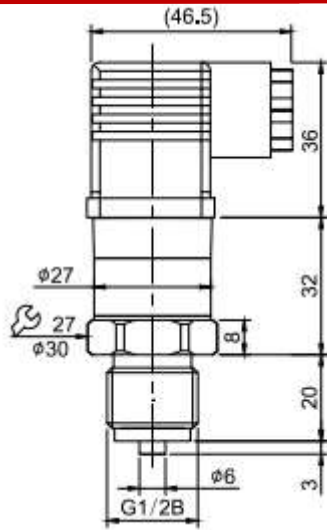
Protection Category

IP Rating IP65

Approvals

Compliance/Certifications CE,RoHS,REACH,UL

Dimension and Wiring



| Pin | Definition |
|-----|------------|
| 1 | V+ |
| 2 | V- |
| 3 | Null |
| ⊥ | Grounding |

