

RS PRO Pressure Transmitter

RS Stock No.: 2547418

FEATURES

Pressure range: 0~250bar

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



Electrical Specifications

Pressure Transmitter

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

Mechanical Specifications

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

Accuracy

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

Environmental Conditions

| | |
|--------------------------------|-------------------|
| Medium temperature | -30°C~85°C |
| Environment temperature | -30°C~85°C |
| Storage temperature | -40°C~100°C |

Operation Conditions

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

Protection Category

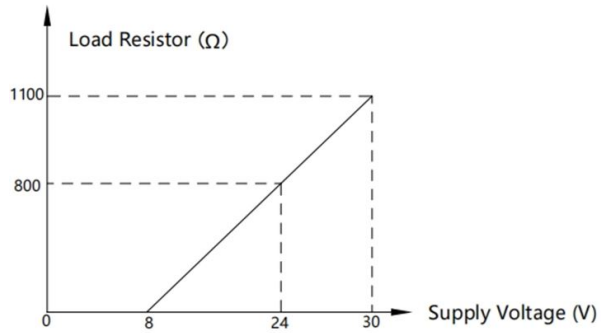
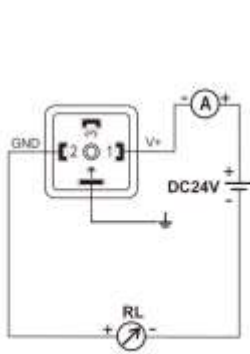
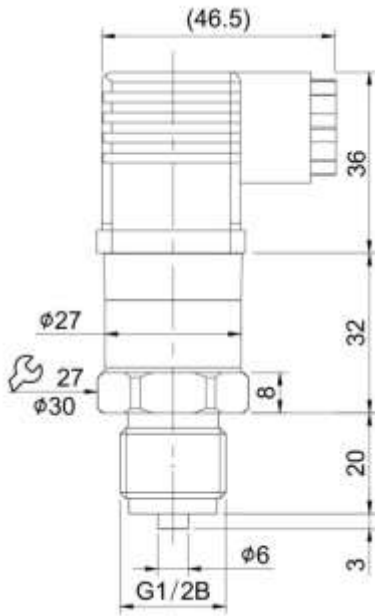
IP Rating IP65

Approvals

Compliance/Certifications CE,RoHS,REACH,UL

Pressure Transmitter

Dimension and Wiring



Current Output Mode(Load Resistor Range)

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