

RS PRO Pressure Transmitter

RS Stock No.: 2547410

FEATURES

Pressure range: 0~10bar

Pressure type: Gauge

Electrical connection: Angular DIN175301-803A

Accuracy: $\pm 0.5\%$ FS

Process connection: G1/2A ISO 1179-2

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

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	$\leq \pm 0.1\%FS$
Installation direction	Pressure port should be vertically downward

Protection Category

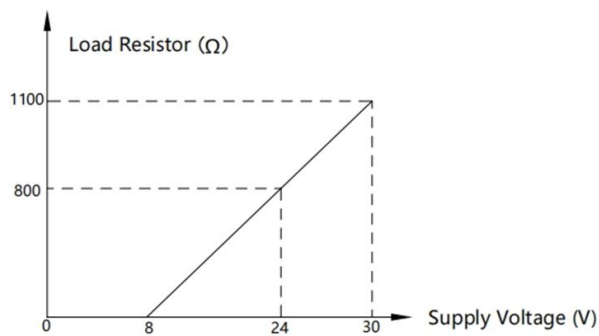
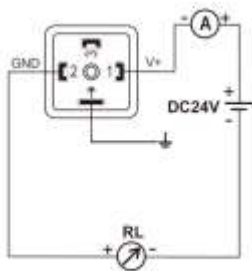
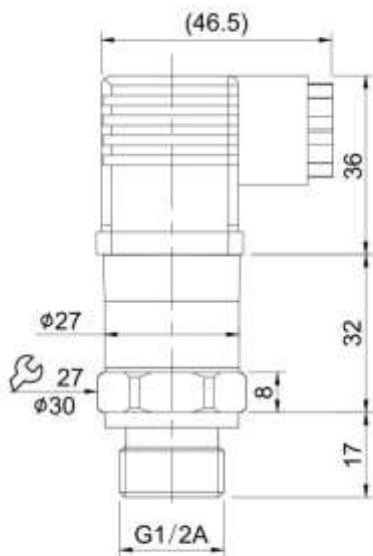
IP Rating IP65

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