

# RS PRO Pressure Transmitter

RS Stock No.: 2547417

## 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

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

### Mechanical Specifications

<b>Structure</b>	<b>Full welded,molecular sieve</b>
<b>Housing material</b>	Stainless steel 316L, Nylon
<b>Wetted parts</b>	Stainless steel 316L
<b>Weight</b>	$\leq$ 135g

### Accuracy

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

### Environmental Conditions

<b>Medium temperature</b>	<b>-30<math>^{\circ}</math>C~85<math>^{\circ}</math>C</b>
<b>Environment temperature</b>	-30 $^{\circ}$ C~85 $^{\circ}$ C
<b>Storage temperature</b>	-40 $^{\circ}$ C~100 $^{\circ}$ C

### Operation Conditions

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

### Protection Category

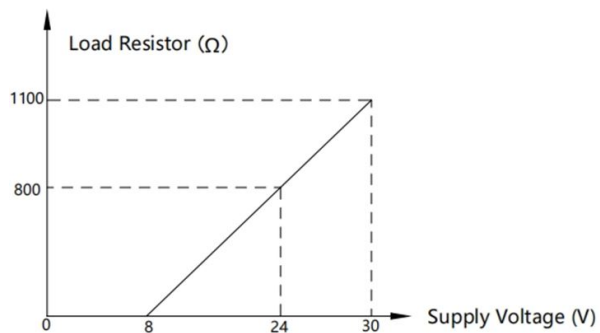
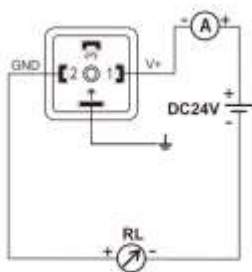
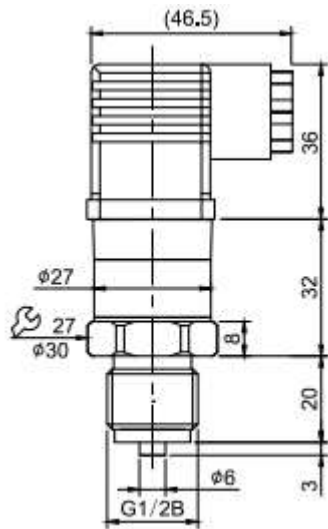
<b>IP Rating</b>	<b>IP65</b>
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### Approvals

# Pressure Transmitter

Compliance/Certifications CE, RoHS, REACH, UL

## Dimension and Wiring



Current Output Mode (Load Resistor Range)

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