

# RS PRO Pressure Transmitter

RS Stock No.: 2547407

## FEATURES

Pressure range: 0~10bar

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



<b>Power supply</b>	<b>8V~30V DC</b>
<b>Output signal</b>	4mA~20mA
<b>Load resistor (<math>\Omega</math>)</b>	$\leq (\text{power supply}-8\text{V}) / 0.02\text{A}$
<b>Total current consumption</b>	$\leq 23\text{mA}$
<b>Reverse polarity protection</b>	$\leq 20\text{M}\Omega$ (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>	$\leq 135\text{g}$

## Accuracy

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

## Environmental Conditions

<b>Medium temperature</b>	<b>-30°C~85°C</b>
<b>Environment temperature</b>	-30°C~85°C
<b>Storage temperature</b>	-40°C~100°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 measuing range)
<b>Position effect</b>	$\leq \pm 0.1\%\text{FS}$
<b>Installation direction</b>	Pressure port should be vertically downward

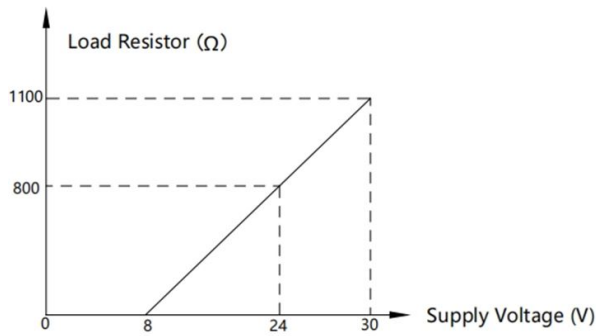
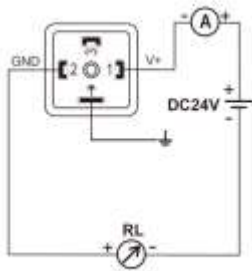
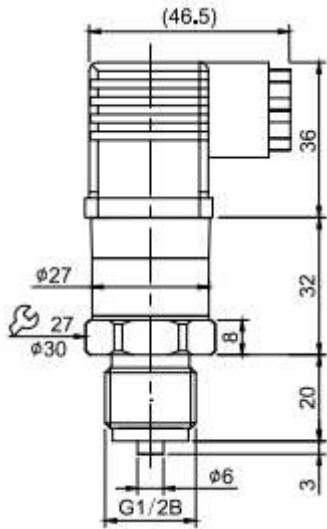
## Protection Category

**IP Rating** IP65

## Approvals

**Compliance/Certifications** CE,RoHS,REACH,UL

Dimension and Wiring



Current Output Mode(Load Resistor Range)

	Pin	Definition
	1	V+
	2	V-
	3	Null
		Grounding