

## PT-10S & PT-30S Pressure Transmitter

PRODUCT DATA SHEET





The PT-10S and PT-30S series are a general purpose pressure transmitters. This series uses piezo -resistive cell which is encapsulated in silicon oil isolating the sensor with Stainless steel diaphragm. This media isolation enhances the longevity of the transmitter while in operation. PT-10S and PT-30S Series pressure transmitters are used in various Industrial and Commercial applications where high accuracy and repeatability is required. Easy operation and sleek design is handy for confined locations. The transmitters provides both liquid and gas media compatabilities.

#### APPLICATIONS

- Chemical industry
- Pharmaceutical industry
- Food and beverage industries
- Ammonia refrigeration systems
- Ice Block factory
- HVAC systems
- Fertilizer industry
- Textile industry
- Air compressor
- Gas compressor
- Water heaters
- Boiler feed water





### **SPECIFICATIONS**

SILCIFICATIONS				
Model Range		Metric Models		
	-100 - 0.00kPa	0.0 - 20kPa		0.0 - 2.5MPa
	-100- 100kPa	0.0 - 35k	Pa	0.0 - 4.0MPa
	-100- 160kPa	0.0 - 70k	Ра	0.0 - 6.0 MPa
	-100- 250kPa	0.0 - 100	kPa	0.0 - 10.0MPa
	-100- 400kPa	0.0 - 250	kPa	0.0 - 16.0MPa
	-100- 600kPa	0.0 - 400	kPa	0.0 - 25.0MPa
	-0.1- 1.0MPa	0.0 - 600	kPa	0.0- 40MPa
	-0.1-2.5MPa	0.0 - 1.01	MPa	0.0 - 60MPa
	0.0 - 10kPa	0.0 - 1.6	MPa	0.0 - 100.0MPa
	Customized range	also availa	ible on rea	quest
Pressure Reference	Vacuum, Vented (G	Gauge Pres	ssure), Ab	solute, and Sealed
Burst Pressure	300% the maximum operating pressure			
Accuracy	PT-10S			PT-30S
	±0.5% Linearity	±0.1% Lir		nearity
	±0.05% Hysteresis		±0.02% H	lysteresis
	±0.05% Repeatabil	ity	±0.02% F	Repeatability
Calibration	Factory calibrated pressure transmitters			
	Two Potentiomete	tentiometers are provided to adjust span and		
	offset with corresp	onding ar	alog value	es
Analog Output	4~20mA corresponding to Temperature, ±0.01mA			
	accuracy			
	±0.01mA resolutio	n, maximu	ım resistiv	ve load of 500 $\Omega$
Mechanical Connection	Standard 1/4-inch male BSPP threads			
	27mm spanner is r			
				provided on user
	request. Please ref	er to mod	el selectio	on guide
Other Output Options	Transmitter comes with the following output options			
	1~5 Voltage Outpu			
	RS-485 Communic	ation		
Standard Model Number	Typical standard m			
			el and ger	neral price list from
	Sales Representativ	ve		
Temperature	Full temperature c	-		
Compatability		ature rang	e of both	liquid and gas up
	to 125°C			
Compatibility	Liquid compatibilit	У		
	Air, dry gas compa	-		
Wetted Materials	SS316, SS316L & N			
	For fluid compatib	ility, other	seals are	available
Electrical Connection	Easily replaceable Din connector			
Power Requirement	+12-24 VDC (Maximum up to 40 VDC)			
IP Class Protection	IP67 (with PG9 gla	nd)		
		,		



РТ

**10S** 

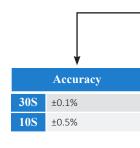
# PT-10S & PT-30S Pressure Transmitters

MODEL SELECTION GUIDE

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A





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	Range			
V1	-100 - 0.0kPa	-1.00 - 0.00 Bar		
V2	-100 - 100kPa	-1.00 - 1.00 Bar		
V3	-100 - 160kPa	-1.00 - 1.60 Bar		
V4	-100 - 250kPa	-1.00 - 2.50 Bar		
V5	-100 - 400kPa	-1.00 - 4.00 Bar		
V6	-100 - 600kPa	-1.00 - 6.00 Bar		
<b>V7</b>	-0.1- 1.0MPa	-1.00 - 10.0 Bar		
<b>V8</b>	-0.1- 1.6Mpa	-1.00 - 16.0 Bar		
<b>V9</b>	-0.1- 2.5Mpa	-1.00 - 25.0 Bar		
A1	0.0 - 10kPa	0.00 - 0.10 Bar		
A2	0.0 - 20kPa	0.00 - 0.20 Bar		
A3	0.0 - 35kPa	0.00 - 0.35 Bar		
A4	0.0 - 70kPa	0.00 - 0.70 Bar		
<b>B1</b>	0.0 - 100kPa	0.00 - 1.00 Bar		
<b>B2</b>	0.0 - 250kPa	0.00 - 2.50 Bar		
<b>B3</b>	0.0 - 400kPa	0.00 - 4.00 bar		
<b>B4</b>	0.0 - 600kPa	0.00 - 6.00 Bar		
M1	0.0 - 1.0MPa	0.00 - 10.0 Bar		
M2	0.0 - 1.6MPa	0.00 - 16.0 Bar		
M3	0.0 - 2.5MPa	0.00 - 25.0 Bar		
M4	0.0 - 4.0MPa	0.00 - 40.0 Bar		
M5	0.0 - 6.0MPa	0.00 - 60.0 Bar		
M6	0.0 - 10.0MPa	0.00 - 100.0 Bar		
M7	0.0 - 16.0MPa	0.00 - 160.0 Bar		
M8	0.0 - 25.0MPa	0.00 - 250.0 Bar		
M9	0.0 - 40.0Mpa	0.00 - 400.0 Bar		
M10	0.0 - 60.0MPa	0.00 - 600.0 Bar		
M11	0.0 - 100.0MPa	0.00 - 1000 Bar		
СР	Customized			

	V
I	Pressure Reference
V	Vacuum
G	Vented
A	Absolute
S	Sealed

**B2** 



Pressure Transmitter

Me	chanical Connection
A	1/4 inch Male BSPP
B	1/2 inch Male BSPP
С	1/4 inch Female BSPP
D	1/2 inch Female BSPP
S	1.5 inch Tri-clamp
E	1/4 inch Male NPS
F	1/2 inch Male NPS
G	1/4 inch Female NPS
H	1/2 inch Female NPS
Ι	1/4 inch Male NPT
J	1/2 inch Male NPT
K	1/4 inch Female NPT
L	1/2 inch Female NPT
0	Customized Threads

Η

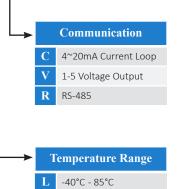
C

D

T

D

G



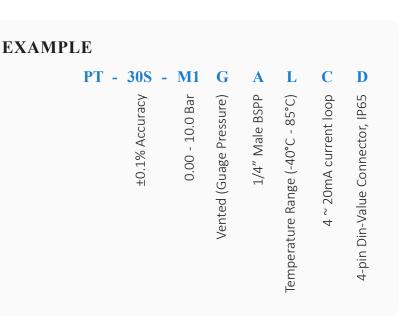
-40°C - 125°C

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**Electrical Connection** 

4-pin Din-Value Connector, IP65

2-wire PG7 Gland Connector, IP67



### Standard Model: PT-10S-M1GALCD