

PT 22SD

PRESSURE TRANSMITTER & SWITCH



Features

- Measuring range : 0.1 Bar to 1000 Bar
- Media : Liquid & Gases
- Accuracy : $< \pm 0.1$ of range
- Response Time : < 1 Sec.
- Long Term Stability
- Robust design for use in harsh industrial environments
- High voltage & reverse polarity protection



Description

Electronet series PT-22SD are Pressure Transmitter for fast, easy & trouble free operation. These transmitters are designed to cover the majority of industrial applications such as clear Gases & Liquids. Electrical output is in the form of 4-20 mA DC / 0 to 5V DC proportional to the Input Pressure. PNP (100mA max.) alarm output is also available. All wetted parts are stainless steel & hermitically welded.

Technical Specifications

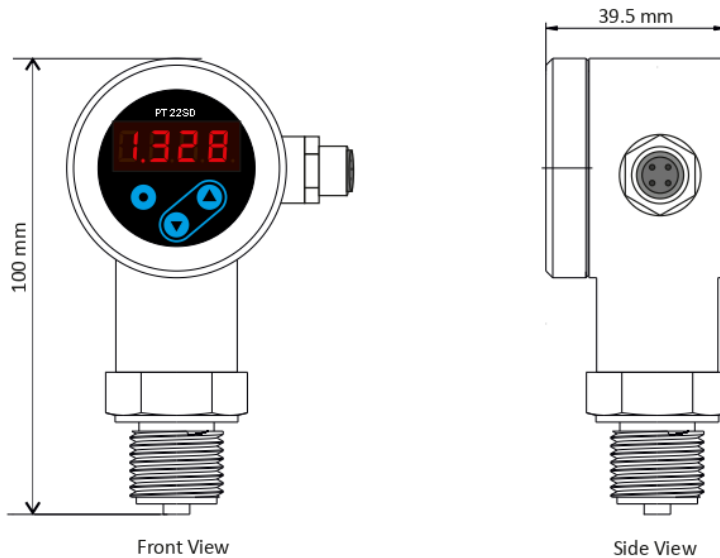
Sensor Type	Piezo Resistive	
Measuring Range	AP URL : 100 kPa to 600 kPa	GP URL : 70 kPa to 100000 kPa
Power Supply	12 to 36V DC	
Display	LED Display	
Output 1	4 to 20 mA DC / 0 to 5 V	
Output Load	Max 600 Ω (For 4 to 20mA) / 10K (For 0 to 5V OP)	
Output 2	PNP Alarm output (Max. load 100mA)	
Accuracy	$\pm 0.25\%$ F. S.	
Non Linearity	0.2% of Span	
Non Repeatability	$< 0.1\%$ of Span	
Response Time	< 10 mSec for 10 to 90% output change	
Over Pressure Safety	2 times max. Pressure range	
Burst Pressure	3 times max. Pressure range	
Process Temperature	-20 to 120 °C max	
Ambient Conditions	Temperature : -20 to 55 °C / Humidity : 5 to 95% non condensing	
Insulation Resistance	> 100 M Ω at 100VDC	
Span / Zero Adjustments	Programmable Software Calibration	
Process Connection	Refer ordering information	
Electrical Connection	4 Pin M12 Female	
Mounting	Direct Line mount (Vertical)	
Material of Construction	All wetted parts SS 316 (Options available on request)	
Enclosure	SS316 with IP 65 Ingress Protection / ABS Plastic	
Area Classification	Field Mount Weather Proof IP65	
Certification	CE	
Weight	0.6 kg (Approximate)	

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Assembly Overview



Ordering Information

Sample Order Code : PT22SD-A1-B1-C1-D1-E1

Parameter				Parameter			
A	Measurement Type	A1	AP	C	Output	C1	4 to 20 mA
		A2	GP			C2	0 to 5 V
B	Pressure Range	B1	10 kPa			CY	Other
		B2	35 kPa	D	Diaphragm Material	D1	SS-316L
		B3	70 kPa			D2	Hastelloy C
		B4	100 kPa			DY	Other
		B5	250 kPa	E	Process Connection (In SS-316)	E1	¼" NPT (M)
		B6	400 kPa			E2	½" NPT (M)
		B7	600 kPa			E3	¼" BSP (M)
		B8	1000 kPa			E4	½" BSP (M)
		B9	1600 kPa			E5	¼" NPT (F)
		B10	2500 kPa			E6	½" NPT (F)
		B11	4000 kPa			E7	¼" BSP (F)
		B12	6000 kPa			E8	½" BSP (F)
		B13	10000 kPa			E9	Flush Diaphragm (Triclover)
		B14	16000 kPa			E10	Flush Diaphragm (1" BSP)
		B15	25000 kPa			EY	Other
		B16	40000 kPa				
		B17	60000 kPa				
		B18	100000 kPa				

Note : ■ Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
■ Accuracy defined at Lab Conditions.
■ For other requirement please consult factory.
■ This product is meant for laboratory/Process application only and not for custody transfer application.

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