

Features

- Piezo-Resistive Sensor Technology
- Measuring Range: 0.1 to 1000 Bar
- Handy & Maintenance Free
- Reliable & Cost Effective
- Ingress Protection IP 65
- High Accuracy ($\pm 0.25\%$ F.S.)
- 4–20 mA / 0–10 V Output with Optional Display

Description

Electronet series PT-22 are Digital 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 proportional to the Input Pressure. All wetted parts are stainless steel & hermitically welded.



Technical Specifications

Sensor Type	Piezo Resistive
Pressure Range	AP URL : 100 kPa to 600 kPa
	GP URL : 70 kPa to 100000 kPa
Power Supply	24V DC Two Wire Loop Powered / 12 to 36V DC
Display	LED Display
Output	4 to 20 mA DC, 0 to 10 V
Output Load	Max 600 Ω
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 70°C / Humidity : 5 to 95% non condensing
Insulation Resistance	>100 M Ω at 100VDC
Span / Zero Adjustments	Provided
Process Connection	Refer ordering information
Electrical Connection	M12 Connector, DIN 43650 Connector
Mounting	Direct Line mount (Vertical)
Material of Construction	All wetted parts SS316 (Options available on request)
Enclosure	SS316 with IP 65 Ingress Protection
Area Classification	Field Mount Weather Proof IP65
Weight	0.4 kg (Approximate)
Certification	CE

PT 22

TWO WIRE PRESSURE TRANSMITTER



Ordering Information

Sample Order Code : PT22-A1-B1-C1-D1-E1-F1-G1-H1-I1

Parameter		Code	Description
A	Measurement Type	A1	AP
		A2	GP
B	Pressure Range	B1	10 kPa
		B2	35 kPa
		B3	70 kPa
		B4	100 kPa
		B5	250 kPa
		B6	400 kPa
		B7	600 kPa
		B8	1000 kPa
		B9	1600 kPa
		B10	2500 kPa
		B11	4000 kPa
		B12	6000 kPa
		B13	10000 kPa
		B14	16000 kPa
		B15	25000 kPa
		B16	40000 kPa
		B17	60000 kPa
		B18	100000 kPa
C	Power Supply	C1	24 VDC Two Wire Loop Powered
		C2	12 to 36 VDC
		CY	Other
D	Cerification	D1	Weather Proof IP-67
		D2	Flameproof (CMRI IIA IIB Certified)

Parameter		Code	Description
E	MOC Electronics Enclosure	E1	Aluminium Die Cast PU Painted (In case of Flame Proof Enclosure)
		E2	SS-316
F	Electrical Connection	F1	M12 Connector
		F2	DIN 43160 Connector
G	Output	G1	4 to 20 mA
		G2	0 to 10 V
		GY	Other
H	Diaphragm Material	H1	SS-316L
		H2	Hastelloy C
		HY	Other
I	Process Connection (In SS-316)	I1	¼" NPT (M)
		I2	½" NPT (M)
		I3	¼" BSP (M)
		I4	½" BSP (M)
		I5	¼" NPT (F)
		I6	½" NPT (F)
		I7	¼" BSP (F)
		I8	½" BSP (F)
		I9	Flush Diaphragm (Triclover)
		I10	Flush Diaphragm (1" BSP)
		IY	Other
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.			

ELECTRONET EQUIPMENTS PVT. LTD.



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