

DPT 22

DIFFERENTIAL PRESSURE TRANSMITTER

Features

- Piezo Resistive Sensor
- Measuring Range: 0.35 to 25 bar
- Handy & Maintenance Free
- Reliable & Cost Effective
- Ingress Protection IP 65

Description

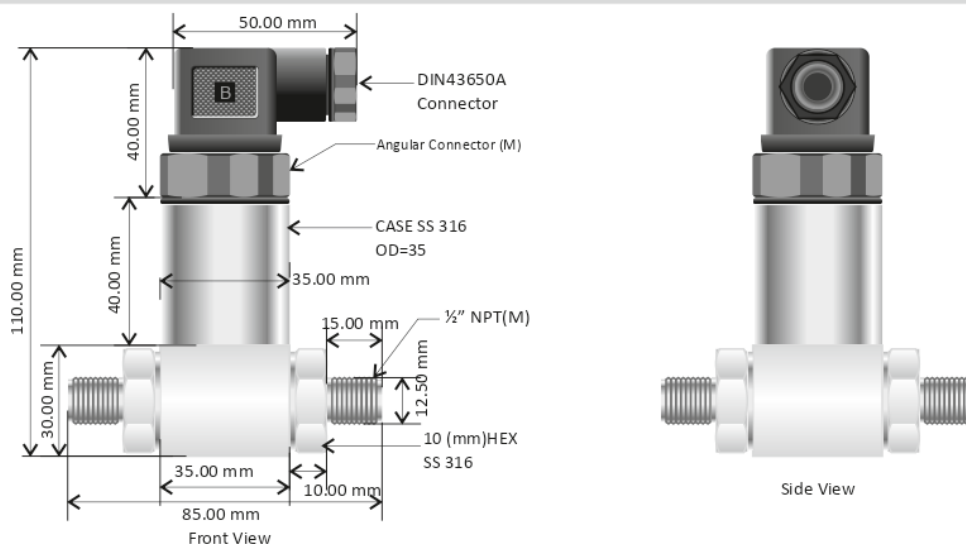
Electronet series DPT-22 are Digital Differential Pressure Transmitter for fast, easy & trouble free operation. These transmitters are designed to cover the majority of industrial applications such as clear Gases & Liquids. Electrical output is in the form of 4-20 mA DC proportional to the Input Pressure. All wetted parts are stainless steel & hermitically welded.



Technical Specifications

Sensor Type	Piezo Resistive
Measuring Range	DP URL : 35 kPa to 2500 kPa
Power Supply	24V DC Two Wire Loop Powered / 12 to 36V DC
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 55°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 SS 316 (Options available on request)
Enclosure	SS316 with IP 65 Ingress Protection
Area Classification	Field Mount Weather Proof IP65
Certification	CE
Weight	0.6 kg (Approximate)

Assembly Overview



Ordering Information

Sample Order Code : DPT22-A3-B1-C1-D1-E1-F1-G1-H1-I1

	Parameter	Code	Description		Parameter	Code	Description
A	Measurement Type	NA	AP	F	Electrical Connection	F1	M12 Connector
		NA	GP			F2	DIN 43160 Connector
		A3	DP	G	Output	G1	4 to 20 mA
B	Pressure Range	B2	35 Kpa			G2	0 to 10 V
		B3	70 kPa			GY	Other
		B4	100 kPa	H	Diaphragm Material	H1	SS-316L
		B5	250 kPa			H2	Hastelloy C
		B6	400 kPa			HY	Other
		B7	600 kPa	I	Process Connection (In SS-316)	I1	¼” NPT (M)
		B8	1000 kPa			I2	½” NPT (M)
		B9	1600 kPa			I3	¼” BSP (M)
		B10	2500 kPa			I4	½” BSP (M)
C	Power Supply	C1	24 VDC Two Wire Loop Powered			I5	¼” NPT (F)
		C2	12 to 36 VDC			I6	½” NPT (F)
		CY	Other			I7	¼” BSP (F)
D	Cerification	D1	Weather Proof IP-67			I8	½” BSP (F)
		D2	Flameproof (CMRI IIA IIB Certified)			I9	Flush Diaphragm (Triclover)
E	MOC Electronics Enclosure	E1	Aluminium Die Cast PU Painted (In case of Flame Proof Enclosure)			I10	Flush Diaphragm (1" BSP)
						E2	SS-316
		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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