

DPT 22

TWO WIRE DIFFERENTIAL PRESSURE TRANSMITTER

Features

- Piezo-Resistive Sensor Technology
- Measuring Range: 0.35 to 25 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
- Maintenance-Free Industrial Design

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

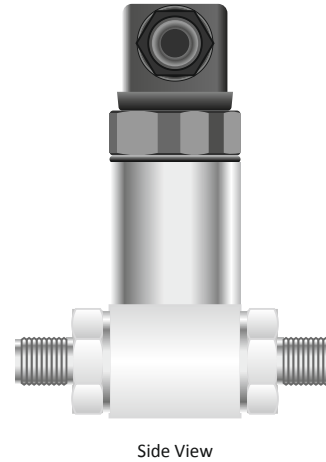
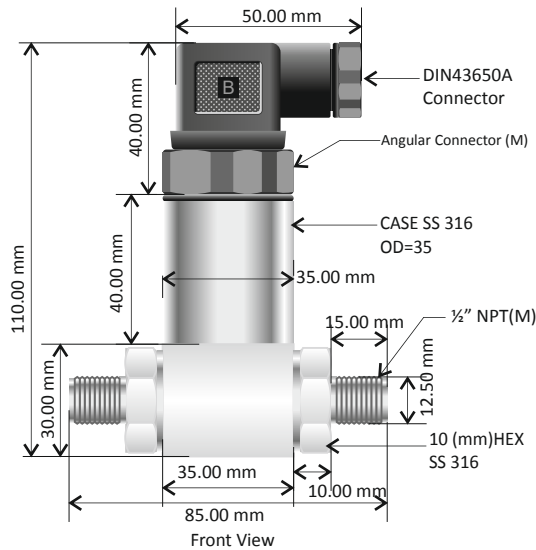
Sensor Type	Piezo Resistive
Measuring Range	DP URL : 35 kPa to 2500 kPa
Power Supply	24V DC Two Wire Loop Powered / 12 to 36V DC
Output	4 to 20 mA DC, 0 to 10 V
Output Load	Max 600 Ω
Accuracy	$\pm 0.25\%$ F. S.
Non Linearity	0.2% of Span
Non Repeatability	< 0.1% of Span
Response Time	<10 mSec for 10 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 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 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)

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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 1/4" NPT (M)
		B8 1000 kPa			I2 1/2" NPT (M)
		B9 1600 kPa			I3 1/4" BSP (M)
		B10 2500 kPa			I4 1/2" BSP (M)
C	Power Supply	C1 24 VDC Two Wire Loop Powered			I5 1/4" NPT (F)
		C2 12 to 36 VDC			I6 1/2" NPT (F)
		CY Other			I7 1/4" BSP (F)
D	Cerification	D1 Weather Proof IP-67			I8 1/2" 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			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.



Manufacturing Unit - I & Registered Office

Plot No. 84, 85, 86, Tiny Industrial Estate,
Kondhwa Budruk, Pune - 411 048, Maharashtra, India.

Manufacturing Unit - II

Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC,
Khandala, Dist.- Satara Pin: 412 801, Maharashtra, India.

+91-20-26931476 sales@electronet.co.in

Sales ☎ +91-9922931722
 Enquiries ✉ enquiries@electronet.co.in
 Service ☎ +91-9922442181
 Support ✉ service@electronet.co.in
 Logistic ☎ +91-9922442184
 Assistance ✉ dispatch1@electronet.co.in