

DPT 22SD

DIFFERENTIAL PRESSURE TRANSMITTER & SWITCH



Features

- Measuring range : 0.35 to 25 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

DPT 22SD



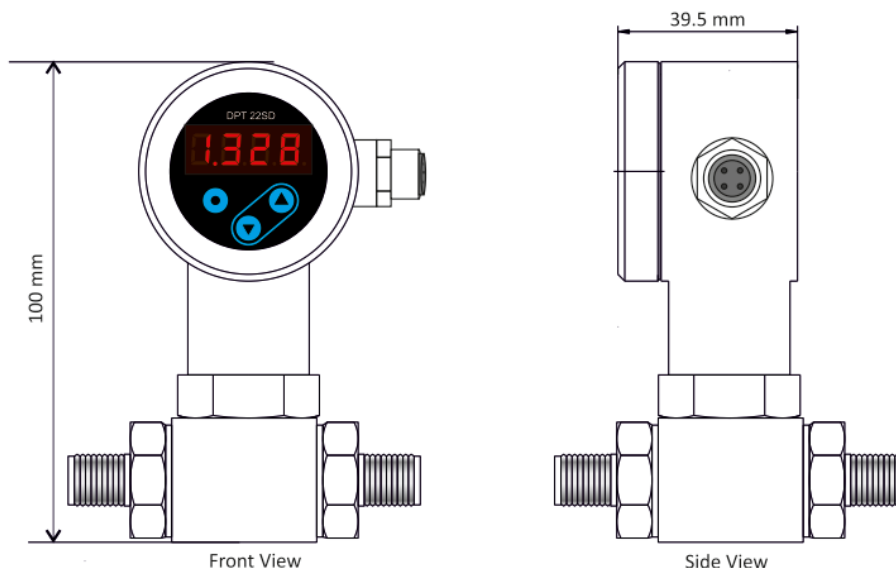
Description

Electronet series DPT-22SD are 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 / 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	DP URL : 35 kPa to 2500 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 50 °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)

Assembly Overview



Ordering Information

Sample Order Code : DPT22SD-A3-B1-C1-D1-E1

	Parameter	Code	Description
A	Measurement Type	NA	AP
		NA	GP
		A3	DP
B	Pressure Range	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
C	Output	C1	4 to 20 mA
		C2	0 to 5 V
		CY	Other

	Parameter	Code	Description
D	Diaphragm Material	D1	SS-316L
		D2	Hastelloy C
		DY	Other
E	Process Connection (In SS-316)	E1	¼" NPT (M)
		E2	½" NPT (M)
		E3	¼" BSP (M)
		E4	½" BSP (M)
		E5	¼" NPT (F)
		E6	½" NPT (F)
		E7	¼" BSP (F)
		E8	½" BSP (F)
		E9	Flush Diaphragm (Triclover)
		E10	Flush Diaphragm (1" BSP)
		EY	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.

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