Techsys Transducer

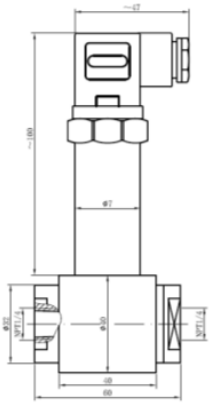
Part: SENSDP0-2B-MA-DIN

DESCRIPTION

Techsys differential pressure transducer is produced by putting OEM differential pressure sensor into full-sealed housing with pressure port for both positive and negative cavities. The differential pressure transducer is hydraulically connected via a measuring tube on the high pressure line and low pressure line. Differential pressure transducer could be widely used in industrial process control, flow measure, medical device, air dynamical measure and liquid pressure instrument or pneumatic plant, etc.

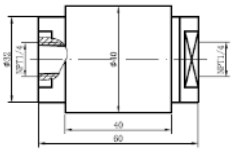
APPLICATIONS

- Industrial Process Control
- Flow Measure
- Medical Device
- DP Across Water Filter.
- Liquid Pressure Instrument



DIN 43650 A

Pressure Connection



NPT1/4 female

FEATURES

- Diffusion silicon-filled oil core with stainless steel 316L isolation diaphragm
- Stainless steel structure, and Max. static pressure up to 20MPa
- Temperature compensation and aging screening
- Full solid insulation, high stability, reliability and accuracy
- Compact size

DIN PLUG PIN OUT

DIN43650A connector	Pin	2-wire		3-wire	
		Definition	Wire Color	Definition	Wire Color
	1	Power	Red	Power	Red
	2	Output	Green / Blue	GND	Black
	3			Output	Green / Blue
	⏚	Shield	Black	Shield	Yellow

NOTICE

a. The pressure transmitter must be used in a medium that is non-corrosive to the seal material and the housing material.

b. In case the pressure guiding hole of the transmitter is blocked, it is forbidden to use sharp tools to clear it. Instead, remove the transmitter from the system, immerse the pressure guiding hole part in the liquid which can dissolve the blockage, and then the blockage will flow out easily.

d. Please contact Techsys if you're not sure whether the transmitter is suitable for the medium to be measured.

e. Exceeding of the transmitter overload pressure may cause permanent damage.

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SPECIFICATIONS

Pressure Range	0...0.2~35bar differential pressure	
Static pressure	Max. Static pressure 20MPa (Note 1)	
Output Signal	4mA ~ 20mA	
Power supply (U+)	10VDC ~ 30VDC	
Output Load	≥10KΩ	≤(U+ - 10) / 0.023Ω
Over Voltage	16VDC	30VDC
Reverse Voltage	-16VDC	-30VDC
Accuracy	±0.5% F.S.	
Settling Time	(10% ~ 90%)≤10ms	
Overload Pressure	≥ 150%F.S	
Burst Pressure	≥ 200%F.S	
Pressure Connection	NPT1/4(female)	
Electrical Connection	DIN43650A	
Insulation Resistance	≥100MΩ@100VDC	
Sensor's Temperature	-30℃~85℃	
Compensated Temperature	0℃~50℃	
Storage Temperature	-40℃~105℃	
Seal Materials for Wetted Part	NBR	
Housing Material	wetted part: 316L, Housing: 304	
Vibration Resistance	10g, 5~2000Hz	
Ingress Protection	Ip65	

Note 1: The operating temperature shall not exceed the temperature range of -30 ~ 85℃.

Techsys Engineering is an Australian owned and operated company specialising in the design and manufacture of pump control technology and complete systems.

Techsys Engineering

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