NEW STAINLESS STEEL PRESSURE TRANSMITTER

- ***0.5% accuracy***
- ***two wire 4...20mA***
- ***high vibration resistance***
- ***robust design***
- ***ammonia and freon versions***



PRESSURE

MODEL PX61

Pressure transmitters determine the pressures in liquids and gases and convert these pressures to an electrical signal. The PX61 features compact construction, an integral amplifier, large output signal and extensive medium compatibility. For use with ammonia or freon in refrigeration applications specify the -A for ammonia or -F for freon option. The design provides a 1/2% accurate, economical transmitter that can operate accurately over a wide temperature range with corrosion resistance.

OPERATION

The ceramic diaphragm sensing element deflects under pressure. The mechanical deformation is converted to an electrical signal by means of a DMS-bridge. An electronic system converts the DMS-signals to a standard 4-20 mA signal.

TECHNICAL DATA

Wetted parts / Case

Stainless steel & Viton / stainless steel & polycarbonate

Ambient/Medium temperature

0...+60^{o}C / 0...+85^{o}C

Pressure Connection

1/4" NPT

Supply Voltage

24 V DC +/- 10%

Output

2-wire 4 to 20 mA, max load = 450 Ohms

Accuracy

0.5% using the bfsl method

Errors

load - < 0.15%, ambient temperature - 0.05%/deg C

Hysteresis

0.2% max, (linear characteristic)

Overload limit

200% full scale

Enclosure

IP65 (NEMA 4)

Response time

10 msec

Operating position

unrestricted

ORDERING DATA

RANGES	ORDER #
-30" Hg....15psi	PX61-3015
0...30psi	PX61-30
0...60psi	PX61-60
0...100psi	PX61-100
0...160psi	PX61-160
0...250psi	PX61-250
0...500psi	PX61-500

For refrigeration applications

add -A for ammonia or -F for freon to the part number

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