

CERAMIC SENSITIVE DIAPHRAGM PRESSURE TRANSMITTER MODEL PT12



PT12 pressure transmitter outlet mode

1)PT12 Packard connector 2)PT12 Hirschmann connector 3)PT12 GX12 aviation connector 4) PT12 M12 cable outlet

PT12 oil-filled silicon core pressure transmitter is widely used in the measurement of fluid medium pressure in test systems such as fire protection, water treatment, water supply systems, air compressors, pneumatic devices, and factory automation. Adopt ceramic sensitive diaphragm with high overload capacity. It has excellent anticorrosion and anti-wear performance, adopts ASIC technology, MEMS technology, and digital compensation. And it has the characteristics of small size and low price. can be applied in various complex environment.

Features

- Oil-filled silicon core with high overload capacity
- Excellent resistance to corrosion and wear
- Using ASIC technology, digital compensation
- Can be used in a variety of complex environments

Technical parameter

General

Basic information

Measurement range	-100KPa~0.3MPa...6MPa,0~0.3MPa...60MPa
Overload pressure	1.5 times of the rated pressure(up to 80MPa)
Burst pressure	2 times of the rated pressure(up to 90MPa)
Accuracy	±0.5%F.S,±1.0%F.S
Stability	< 0.5%F.S/year
Pressure form	Guage pressure G
Measured medium	Gas or liquid compatible with 1Cr18Ni9Ti, 304 stainless steel, Fluorine rubber or Nitrile rubber

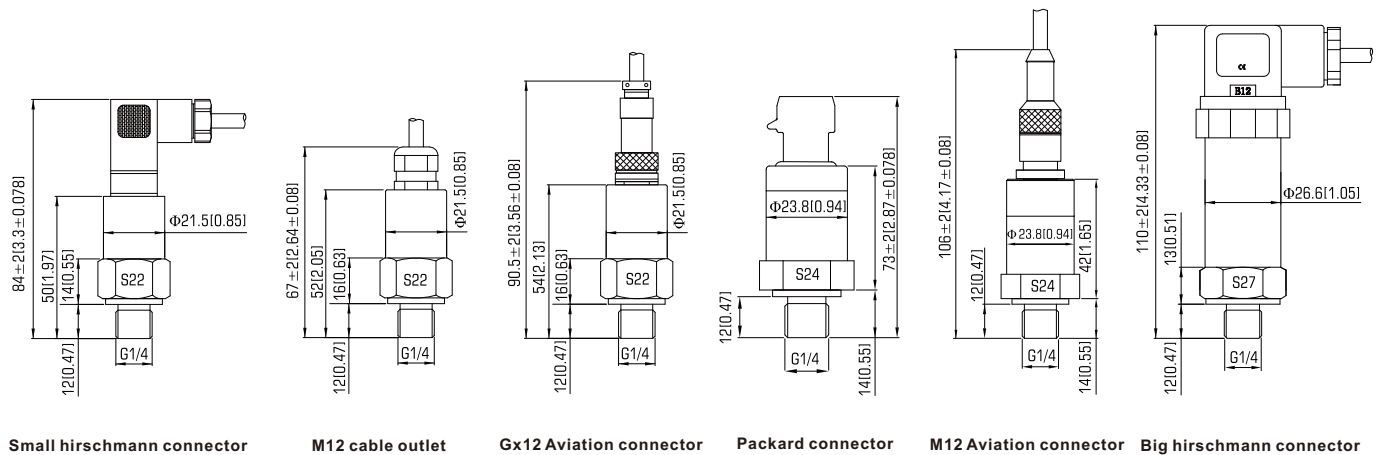
Operating conditions

Process connection	G1/4,NPT1/4,R1/4,G1/2, 7/16-20UNF,M20*1.5,M10*1,M14*1.5etc
Temperature	Working:-20...+85°C[-4...185°F] Storage:-40...+100°C[-40...212°F]
IP grade	IP54(GX12 aviation),IP65(DIN43650A, M12 waterproof outlet,M12 four-core aviation connector)

Electrical overview

Electrical connection	Packard, DIN43650C (small Hirschmann), DIN43650A (big Hirschmann), M12 waterproof outlet, M12 aviation connector, GX12 aviation connector (three-core/four-core)			
Electrical properties	2-wired(current)	3-wired(voltage)		
Output signal	4...20mA	0.5...4.5V	0...5V	0...10V
Power supply	8...36VDC	4.75...5.25VDC	8...36VDC	12...36VDC

Dimensions in mm(in)



Ordering information

Example part number:PT12(0...60)-KV051.0DN2.0

Model PT13 pressure transmitter, Measuring range 0...60MPa,Signal output 0.5...4.5V,Accuracy 1.0%F.S, Electrical connection DIN43650C(Small hirschmann),Process connection NPT1/4,Built-in cable length 2M.

P **T** **1** **2** (**0**...**60**) - **M** **V** **0** **5** **1** . **0** **D** **N** **2** . **0**

①	③	④	⑤	⑥	⑦	⑧
Name PT12	Unit K kPa B bar P psi M MPa	Output A4 4...20mA(two-wire) V05 0.5...4.5V(three-wire) V0 0...5V(three-wire) V10 0...10V(three-wire) RS RS-485(three-wire)	Accuracy 0.5 0.5%F.S 1.0 1.0%F.S	Electrical connection P Packard D DIN43650C(Small hirschmann) D1 DIN43650A(Big hirschmann) M M12(water proof outlet) C3 GX12 Three core aviation C4 GX12 Four core aviation H M12 Four core aviation	Process connection G G1/4 male G1 G1/4 female G2 G1/2 G3 G1/8 G4 G3/4 N NPT1/4 N1 NPT1/2 N2 NPT1/8 R R1/4	Cable length 1.0 1m 2.0 2m 3.0 3m
②	Range -100KPa~0.3MPa...6MPa, 0~0.3MPa...60MPa					

* Please specify any special requirements, such as the medium used being water, air, hydraulic oil, or mildly corrosive gases like methane, seawater, or other substances.