

OIL-FILLED SILICON CORE PRESSURE TRANSMITTER MODEL PT13



PT13 pressure transmitter outlet mode

- 1)PT13 GX12 aviation connector 2)PT13 M12 cable outlet 3)PT13 Hirschmann connector
4) Internal structure diagram

PT13 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, and pneumatic device and factory automation. It has excellent anti-corrosion and anti-wear performance, adopts ASIC technology, MEMS technology, digital compensation, and 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...0~5KPa...60MPa
Overload pressure	1.5 times of the rated pressure
Accuracy	±0.5%F.S(-100KPa...0~5KPa...60MPa) ±0.25%F.S(-100KPa...0~10KPa...60MPa)
Stability	< 0.5%F.S/year
Pressure form	Guage pressure G/Absolute pressure A
Measured medium	Gas or liquid compatible with 304 and 316L stainless steel, Fluorine rubber or Nitrile rubber

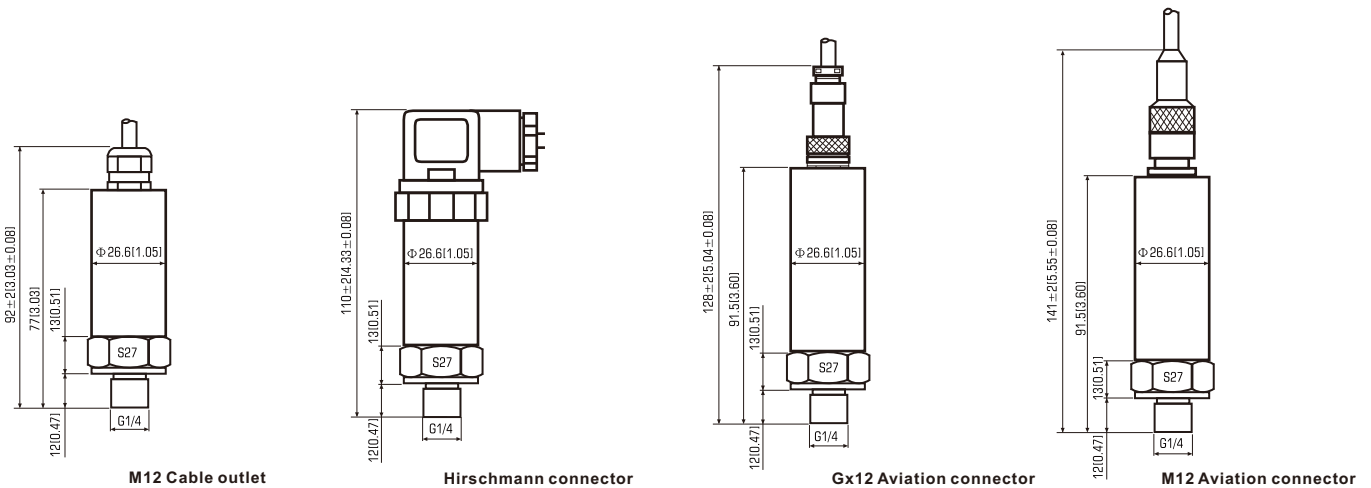
Operating conditions

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	DIN43650A(Big Hirschmann),M12 waterproof outlet, GX12 aviation (three-core/four-core), M12 four-core aviation connector				
Electrical properties	2-wired(current)	3-wired(voltage)			4-wired
Output signal	4...20mA	0.5...4.5V	0...5V	0...10V	RS485
Power supply	8...36VDC	4.75...5.25VDC	8...36VDC	12...36VDC	10...30VDC

Dimensions in mm(in)



Ordering information

Example part number:PT13(0...60)-A40.251.0C3NK

Model PT13 pressure transmitter, Measuring range 0...60kPa,Signal output 4...20mA,Accuracy 0.25%F.S,Built-in cable length 1M, Electrical connection CX12-3P,Process connection NPT1/4.

P **T** **1** **3** (**0** ... **6** **0**) - **A** **4** **0** . **2** **5** **1** . **0** **C** **3** **N** **K**

①	③	④	⑤	⑥	⑦	⑧
Name	Unit	Output	Accuracy	Cable length	Electrical connection	Process connection
PT13	K kPa B bar P psi M MPa	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)	0.25 0.25%F.S 0.5 0.5%F.S 1.0 1.0%F.S	1.0 1m 2.0 2m 3.0 3m	D1 DIN43650A M M12(waterproof outlet) C3 GX12-3P C4 GX12-4P H M12-4P	G G1/4 male G1 G1/4 female G2 G1/2 G3 G3/8 G4 G1/8 N NPT1/4 N1 NPT1/2 N2 NPT1/8 M M12*1
②	Range					
-100kPa...0~10kPa...60MPa						

* Please make separate remarks for special requirements.