

PRESSURE TRANSMITTER PT12



Product manual:

- Model
- Parameter
- Dimension
- Installation
- Electrical Connection

Note important:

- The parameters involved are all measured under laboratory conditions, such as in the special environment, the parameters will cause deviation and error.
- This series of products can be customized, special requirements.
- Accessory selection depends on the actual configuration.
- To ensure safety and avoid loss. Power off during installation.

Model

Product Name	Range	Output	Accuracy	Cable length
PT12	0-50	A4	1.0	0
	-100kPa~0.3MPa...6MPa 0~0.3MPa...60MPa	A4=4~20mA(2-wired) V05=0.5~4.5V(3-wired) V0=0~5V(3-wired) V10=0~10V(3-wired)	0.5=0.5%F.S 1.0=1.0%F.S	0 = 0m 1.0 = 1m 2.0 = 2m 3.0 = 3m

Electrical Connection	Pressure Connection	Unit
D	G	B
D=DIN43650A(Big Hirschmann) M=M12(M12 waterproof outlet) C3=GX12 -3P C4=GX12 -4P H=M12 -4P P=Packard D1=DIN43650C(Small Hirschmann)	G=G1/4 G2=G1/2 N=NPT1/4 M=M20×1.5 R=R1/4 U=7/16-20UNF external screw B=BSP1/4	K=kPa B=Bar P=psi M=MPa

Parameters

Measurement range	-100kPa~0.3MPa...6MPa ,0~0.3MPa...60MPa
Overload pressure	1.5 times the rated pressure(up to 80Mpa)
Burst pressure	2 times the rated pressure(up to 90Mpa)
Accuracy	±0.5%F.S,±1.0%F.S
Stability	<0.5%F. S/year
Working temp	-20~85°C
Storage temp	-40~100°C
Measured medium	Gas or liquid compatible with 304 and 316L stainless steel, Fluorine rubber or Nitrile rubber
Electrical connection	See MODEL table
Pressure connection	G1/4,NPT1/4,R1/4,G1/2,7/16-20UNF,M20×1.5,M10×1,M14×1.5,etc
Pressure form	Gauge Pressure G
Tests / Admissions	Safety explosion-proof type E, RoHS, EU electrical safety standard CE

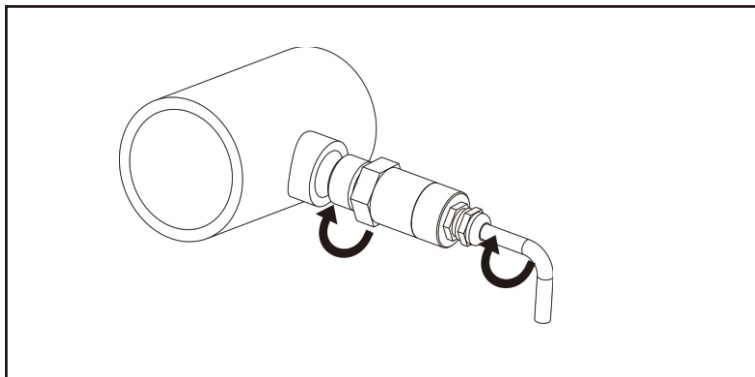
★ Measured at 25°C,including the comprehensive accuracy of linearity, repeatability and hysteresis.

Supply Voltage

Output	4~20mA	0.5~4.5V	0~5V	0~10V
Voltage	10~36VDC	4.75~5.25VDC	8~36VDC	12~36VDC

M12 cable outlet	Hirschmann connector	GX12 aviation connector	M12 aviation connector

Installation



★ The wire and sensor rotate at the same time to prevent the wire from being twisted off.

Electrical Connection	Schematic Drawing	4~20mA	0.5~4.5V/0~5V 0~10V	RS485
GX12-3P		 1.Red 2.Black	 1.Red 2.Black 3.Green	
Packard		 A.Black B.Red	 A.Black B.Red C.Green	
Hirschma		 1.Red 2.Black	 1.Red 2.Green 3.Black	 1.Red 2.Green 3.White 4.Black
GX12-4P		 1.Red 2.Black	 1.Red 2.Green 3.Black 4.Black	 1.Red 2.Green 3.White 4.Black
M12-4P		 1.Brown 3.Blue	 1.Brown 2.White 3.Blue 4.Black	 1.Brown 2.White 3.Blue 4.Black
Direct lead		 1.Red 4.Black	 1.Red 2.Green 3.White 4.Black	 1.Red 2.Green 3.White 4.Black