

## REFRIGERATION PRESSURE TRANSMITTER PT11



**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.

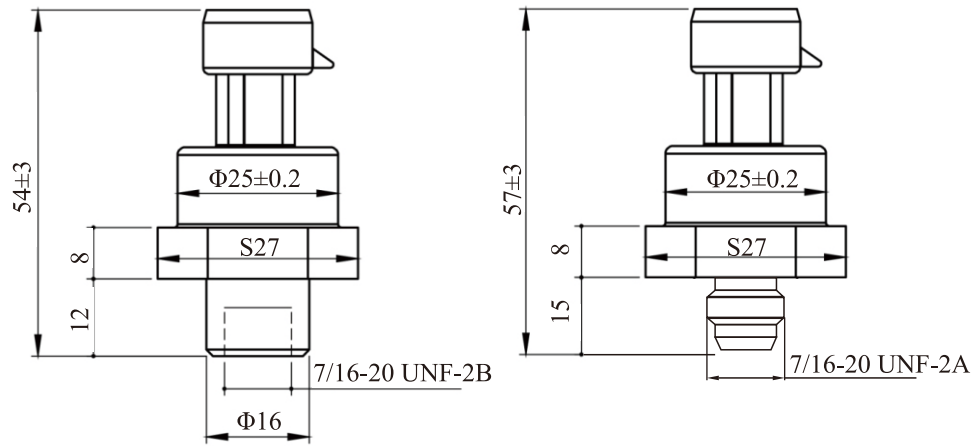
**Model**

Product Name	Range	Output	Accuracy	Cable length
PT11	0...50	V05	1.5	0
	0...50bar	V05=0.5~4.5V(3-wired)	1.5=1.5%F.S 2.5=2.5%F.S	0 = 0m 1,0 = 1m 2,0 = 2m
Electrical Connection	Pressure Connection	Unit	Working Temp	
P	A	B	T1	
P=Packard	A=7/16-20UNF External Screw B=7/16-20UNF Internal Screw	K=kPa B=bar P=psi M=MPa	T1=-20°C...80°C T2=-40°C...120°C	

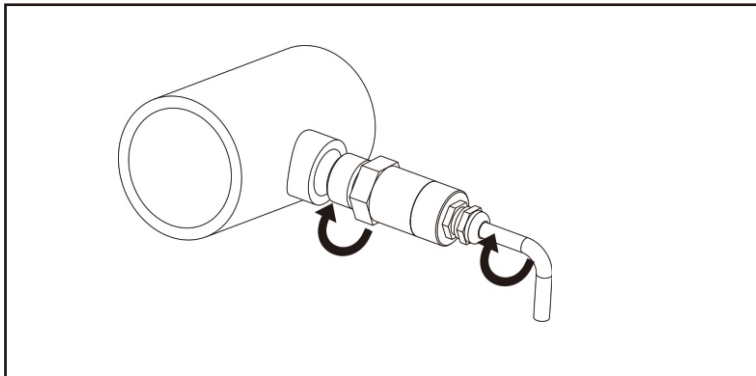
**Parameters**

Measurement range	0...50bar
Overload pressure	2 times of the rated pressure
Burst pressure	3 times of the rated pressure
Accuracy	± 1.5%F.S(-20~80°C) ± 2.5%F.S(-40~120°C)
Working temp	-40...120°C
Refrigerant medium <sup>⊙</sup>	R12,R22,R32,R134a,R404a,R407c,R410a,R502,R507
Electrical properties	3-wired
Output signal	0.5~4.5V(Proportional voltage output)
Power supply	4.75~5.25VDC
Dielectric strength	Packard 1800VAC for 1 second
IP grade	IP67
Pressure connection	7/16-20UNF Internal thread, 7/16-20UNF External thread
Pressure form	Gauge Pressure G

⊙ Sealing rubber ring default is neoprene rubber



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	 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 4.Black	 1.Red 2.Green 3.White 4.Black