PRESSURE TRANSMITTER
PT3100

Accuracy: ±0.5% FS
Protection Class: IP65
Range: -1/0 bar to 0/350 bar available
Thread and Clamp type available
EMC Protection

PT3100 is suitable for the media of fluid and gas. Several measure ranges are available for a variety of cutomotive, industrial and commercial applications.

Technical Data

Accuracy: ±0.5% of full scale
(±1% of full scale for -1~0 bar to 0~2.5 bar only)
Range: Please refer to the Measure Range Table
Power Supply: 11 to 30 volts DC
Output Signal: 4~20mA, 2-wires
EMC Compatibility: 80MHz ~ 1GHz
Operating Temperature: -10°C to +80°C
Conduit Connection: M12 & Mini DIN43650 Connectors, plastic
Material of Wetted Parts: SS316 or SS304L available
Process Connection: Thread ¼"NPT, ¼"PT and G¼" Male;
Clamp 1" (ISO2852) / 25(DIN32676) and 1½" (ISO2852) / 32 (DIN32676) available

Range Table

Code	Range	Process	
		Thread	*Clamp*
0V	-1/0 bar	✓	✓
2.5V	-1/2.5 bar	✓	✓
4.0V	-1/4 bar	✓	✓
6.0V	-1/6 bar	✓	✓
10V	-1/10 bar	✓	✓
16V	-1/16 bar	✓	✓
25V	-1/25 bar	✓	✓

Code	Range	Process	
		Thread	*Clamp*
0.2	0/0.2 bar	✓	
0.6	0/0.6 bar	✓	
1	0/1 bar	✓	✓
1.6	0/1.6 bar	✓	✓
2.5	0/2.5 bar	✓	✓
4	0/4 bar	✓	✓
6	0/6 bar	✓	✓

Code	Range	Process	
		Thread	*Clamp*
10	0/10 bar	✓	✓
16	0/16 bar	✓	✓
25	0/25 bar	✓	✓
40	0/40bar	✓	
60	0/60 bar	✓	
100	0/100 bar	✓	
160	0/160 bar	✓	

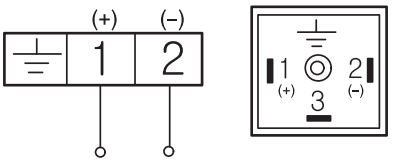
Code	Range	Process	
		Thread	*Clamp*
250	0/250 bar	✓	
350	0/350 bar	✓	

Code	Range	Process	
		Thread	*Clamp*
P5	0/5 psi	✓	✓
P15	0/15 psi	✓	✓
P50	0/50 psi	✓	✓
P100	0/100 psi	✓	✓
P500	0/500 psi	✓	✓

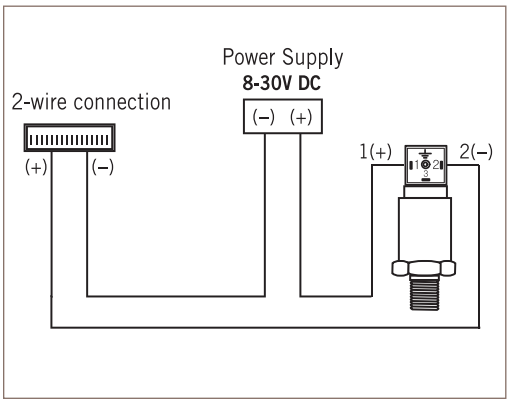
Code	Range	Process	
		Thread	*Clamp*
P1000	0/1000psi	✓	
P2000	0/2000psi	✓	
P3000	0/3000psi	✓	
P5000	0/5000psi	✓	

Over Range Protection:
1. Proof pressure range are 3 times of full scale.
2. Burst pressure range are 10 times of full scale.
3. Response time: ≤1ms

Connection Diagram

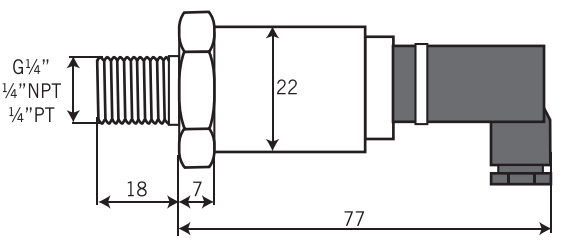


Connection

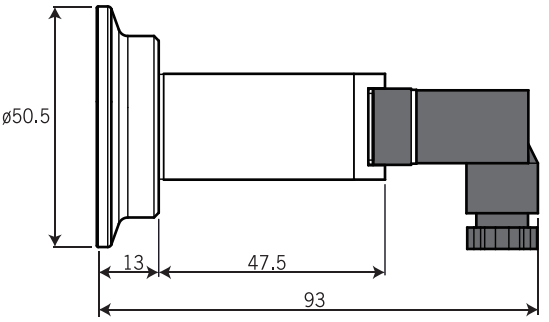


Dimensions-mm

Thread Type
Process Connection:
Male thread:
G¼"
¼"NPT, standard
¼"PT, standard



Clamp Type
Process Connection:
ISO2852: 1" and 1½"
DIN32676: 25 and 32
Membrane Size:
ø50.5mm



Ordering Information

PT3100	Code	Pressure Range
		Please refer to the Measure Range Table

Code	Wetted Parts Material
1	SS316 (thread & clamp type available)
2	SS304L (for thread type only)

Code	Connection Port
A	Thread G¼"(M)
U	Thread ¼"NPT(M), standard
P	Thread ¼"PT(M), standard
C	Clamp (ø50.5mm)
S	Customized

PT3100				Complete Ordering Code

NOTE.
Performance Technical Data are effective with date of issue and are subject to change without prior notice.

WWW.NEW-FLOW.COM • TEL: 886-7-8135500 • FAX: 886-7-8225588 • Email: info@new-flow.com