

# PT3100

# 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 automotive, 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		Code	Range	Process		Code	Range	Process	
		Thread	Clamp			Thread	Clamp			Thread	Clamp
0V	-1/0 bar	✓	✓	0.2	0/0.2 bar	✓		10	0/10 bar	✓	✓
2.5V	-1/2.5 bar	✓	✓	0.6	0/0.6 bar	✓		16	0/16 bar	✓	✓
4.0V	-1/4 bar	✓	✓	1	0/1 bar	✓	✓	25	0/25 bar	✓	✓
6.0V	-1/6 bar	✓	✓	1.6	0/1.6 bar	✓	✓	40	0/40bar	✓	
10V	-1/10 bar	✓	✓	2.5	0/2.5 bar	✓	✓	60	0/60 bar	✓	
16V	-1/16 bar	✓	✓	4	0/4 bar	✓	✓	100	0/100 bar	✓	
25V	-1/25 bar	✓	✓	6	0/6 bar	✓	✓	160	0/160 bar	✓	

Code	Range	Process		Code	Range	Process		Code	Range	Process	
		Thread	Clamp			Thread	Clamp			Thread	Clamp
250	0/250 bar	✓		P5	0/5 psi	✓	✓	P1000	0/1000psi	✓	
350	0/350 bar	✓		P15	0/15 psi	✓	✓	P2000	0/2000psi	✓	
				P50	0/50 psi	✓	✓	P3000	0/3000psi	✓	
				P100	0/100 psi	✓	✓	P5000	0/5000psi	✓	
				P500	0/500 psi	✓	✓				

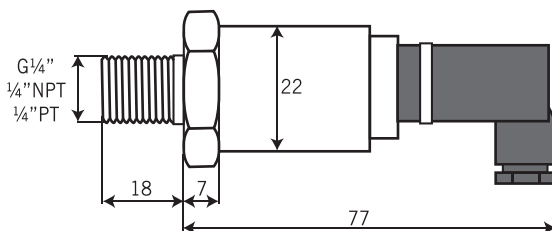
**Over Range Protection:**  
 1. Proof pressure range are 3 times of full scale.  
 2. Burst pressure range are 10 times of full scale.  
 3. Response time: ≤1ms

### Dimensions-mm

#### Thread Type

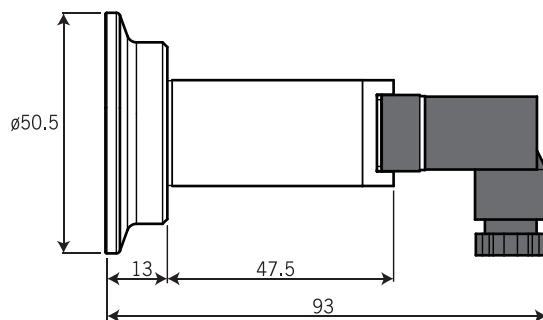
#### Process Connection:

Male thread:  
 G¼"  
 ¼"NPT, standard  
 ¼"PT, standard



#### Clamp Type

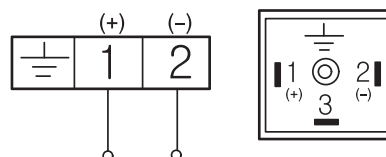
Process Connection:  
 ISO2852: 1" and 1½"  
 DIN32676: 25 and 32  
 Membrane Size:  
 ø50.5mm



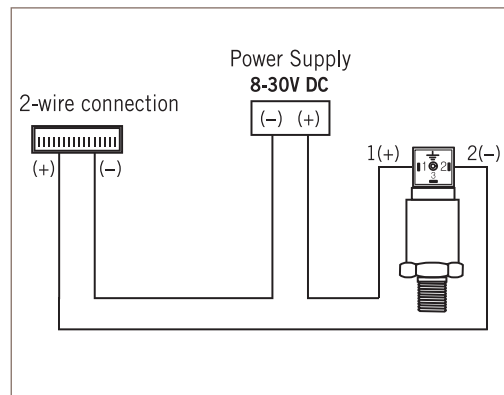
**Approvals:**



### Connection Diagram



### Connection



### Ordering Information

PT3100	Code	Pressure Range
		Please refer to the Measure Range Table.
	<b>Code</b>	<b>Wetted Parts Material</b>
	1	SS316 (thread & clamp type available)
	2	SS304L (for thread type only)
	<b>Code</b>	<b>Connection Port</b>
	A	Thread G¼"(M)
	U	Thread ¼"NPT(M), standard
	P	Thread ¼"PT(M), standard
	C	Clamp (ø50.5mm)
	S	Customized
<b>PT3100</b>	<b>    </b>	<b>    </b>
		<b>Complete Ordering Code</b>

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