

# PRESSURE TRANSDUCER

## PT3100

**Accuracy:** ±0.5% FS  
**Protection class:** IP65  
**Range:** -1/0 bar to 0/352 bar 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% F.S full scale for -1~0bar to 0~2.5bar only)  
**Range:** refer to the Measure Range Table  
**Power supply:** 11 to 30 volts DC  
**Output signal:** 4-20 mA, 2 wires  
**EMC compatibility:** 80MHz – 1GHz  
**Operating temperature:** -10°C to +80°C  
**Conduit connection:** M12 & Mini DIN Connectors, plastic  
**Material of wetted parts:** SS316 or SS304  
**Process connections:** ¼" NPT Male

### Range Table

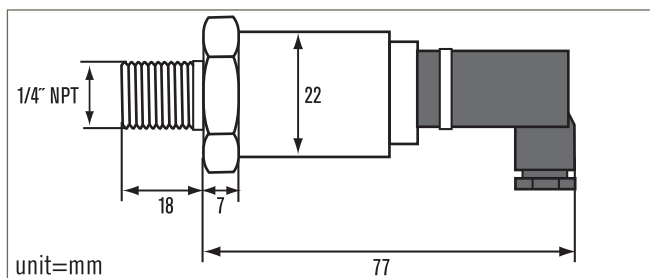
Code	Range	Code	Range	Code	Range	Code	Range
0V	-1/0 bar	0.2	0/0,2 bar	10	0/10 bar	250	0/250 bar
2.5V	-1/2,5 bar	0.6	0/0,6 bar	16	0/16 bar	350	0/350 bar
4.0V	-1/4 bar	1	0/1 bar	25	0/25 bar		
6.0V	-1/6 bar	1.6	0/1,6 bar	40	0/40 bar		
10V	-1/10 bar	2.5	0/2,5 bar	60	0/60 bar		
16V	-1/16 bar	4	0/4 bar	100	0/100 bar		
25V	-1/25 bar	6	0/6 bar	160	0/160 bar		

Code	Range	Code	Range	Code	Range
P5	0/5 psi	P100	0/100 psi	P2000	0/2000 psi
P15	0/15 psi	P500	0/500 psi	P3000	0/3000 psi
P50	0/50 psi	P1000	0/1000 psi	P5000	0/5000 psi

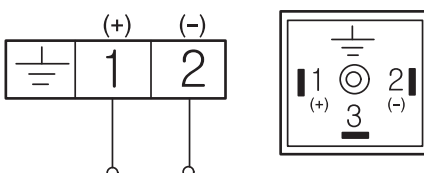
### Over range protection:

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

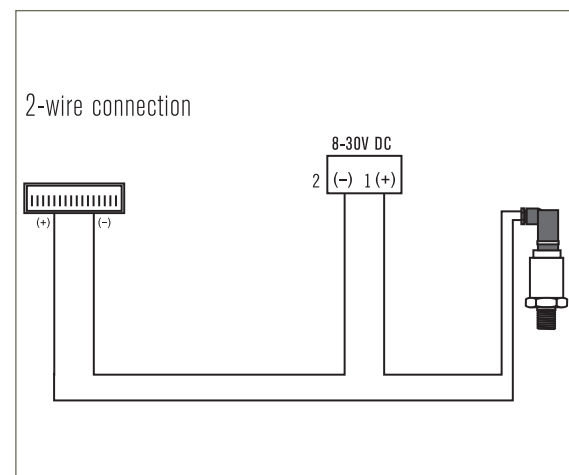
### Dimensions



### Connection Diagram



### Connection



### Ordering Information

PT3100	Code	Pressure Range
		Please refer to the Measure Range Table
		<b>Code</b> <b>Wetted Part Material</b>
	1	SS316 (Standard)
	2	SS304
		<b>Code</b> <b>Connection port</b>
	U	1/4"NPT (standard)
	S	Customized
<b>PT3100</b>		<b>Complete Ordering Code</b>

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