

PRESSURE TRANSDUCER

PT3100

Accuracy: $\pm 0.5\%$ 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: $\pm 0.5\%$ of full scale
 ($\pm 1\%$ F.S full scale for -1~0bar to 0~2.5bar only)
Range: refer to the Measure Range Table
Power supply: 8 to 30 volts DC
Output signal: 4-20 mA, 2 wires
EMC compatibility: 80MHz – 1GHz
Operating temperature: -10°C to +80°C
Electrical connection: M12 & Mini DIN Connectors, plastic
Material of wetted parts: SS316 or SS304
Process connections: ¼" NPT Male

Range Table

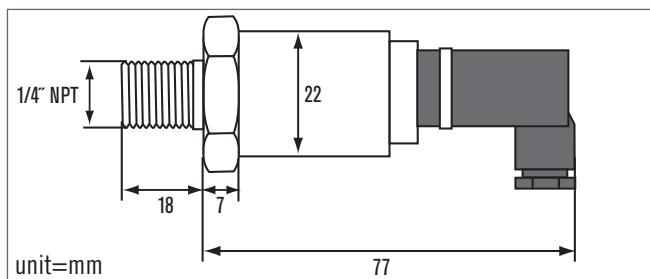
Code	Range	Code	Range	Code	Range	Code	Range
0V	-1/0 bar	0.2	0/0.2 bar	10	0/10 bar	250	0/250 bar
2.5V	-1/2.5 bar	0.6	0/0.6 bar	16	0/16 bar	350	0/350 bar
4.0V	-1/4 bar	1	0/1 bar	25	0/25 bar		
6.0V	-1/6 bar	1.6	0/1.6 bar	40	0/40 bar		
10V	-1/10 bar	2.5	0/2.5 bar	60	0/60 bar		
16V	-1/16 bar	4	0/4 bar	100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

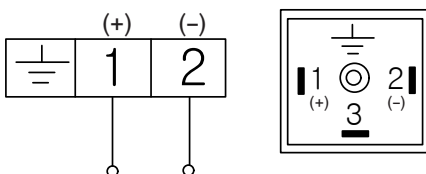
Over range protection:

1. Proof pressure range are 3 times of full scale.
2. Burst pressure range are 10 times of full scale.

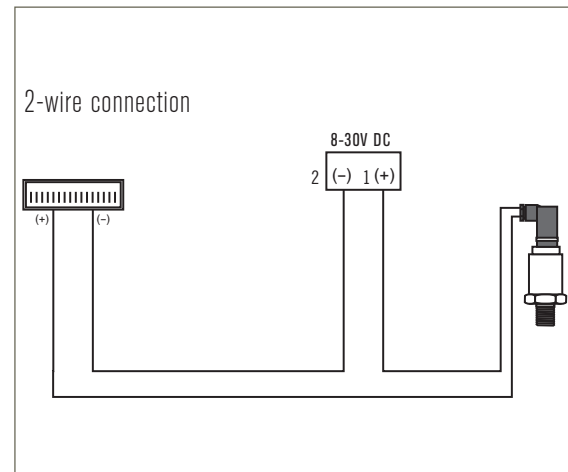
Dimensions



Connection Diagram



Connection



Ordering Information

PT3100	Code	Pressure Range						
		Please refer to the Measure Range Table						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Wetted Part Material</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SS316</td> </tr> <tr> <td>2</td> <td>SS304</td> </tr> </tbody> </table>	Code	Wetted Part Material	1	SS316	2	SS304
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2	SS304							
		<table border="1"> <thead> <tr> <th>Code</th> <th>Connection port</th> </tr> </thead> <tbody> <tr> <td>U</td> <td>1/4"NPT (standard)</td> </tr> <tr> <td>S</td> <td>Customized</td> </tr> </tbody> </table>	Code	Connection port	U	1/4"NPT (standard)	S	Customized
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PT3100								
Complete Ordering Code								

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