

OVERVIEW

PTD251 suitable for hazardous area & for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam and mildly corrosive fluids.

- Termination : Aluminum head with threaded cap and chain with single compression cable gland
- Excellent load cycle stability and shock resistance.
- 4-20mA, 2-wire output signal
- Ranges from 0.25...350 Barg
- Different type of terminal heads, Dual cable entries & special glands are optional
- Higher ranges on request

SPECIFICATIONS

STANDARD FEATURES

- Signal output : 4-20 mA, 2-wire
- Supply voltage : 10-30 VDC
- Encloser : Flamproof Head, IIA & IIB with 1/2" NPT (F) cable entry
- Process connection : 1/4" BSP (M)
- Pressure port material : SS304

PERFORMANCE @25 °C (77 °F)

- Accuracy (non-linearity, hysteresis & non-repeatability) : $\pm 0.5\%$ span
- Stability (1 year) : $\pm 0.25\%$ span
- Over range protection : 2X rated pressure
- Burst pressure : 4X rated pressure

ELECTRICAL DATA

- Output : 4-20 mA
- Excitation : 10-30 VDC
- Output impedance : $>100K$ Ohms
- Current consumption : 20mA, typical

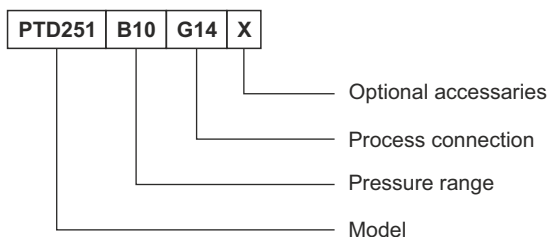
TEMPERATURE

- Compensated range : -20 to 85 °C
- Operating : -40 to 125 °C
- Storage : -40 to 125 °C

OTHER

- Shock : 50G, 11 msec, 1/2 sine
- Vibration : 20G peak, 20 to 2000Hz

HOW TO ORDER



APPLICATIONS

- Industrial process control and monitoring
- Advanced HVAC systems
- Hydraulic / Pneumatic systems
- Agriculture equipment
- Refrigeration systems
- Automotive test stands
- Off-Road vehicles
- Pumps and Compressors
- Energy generation and management

STANDARD PRESSURE & COMPOUND RANGES

PRESSURE RANGES			COMPOUND RANGES
0 to 1 Barg	0 to 20 Barg	0 to 250 Barg	-1 to 3 Barg
0 to 2 Barg	0 to 25 Barg	0 to 300 Barg	-1 to 6 Barg
0 to 3.5 Barg	0 to 30 Barg	0 to 350 Barg	-1 to 10 Barg
0 to 4 Barg	0 to 40 Barg		-1 to 25 Barg
0 to 6 Barg	0 to 70 Barg		-1 to 0 Barg
0 to 7 Barg	0 to 100 Barg		
0 to 10 Barg	0 to 160 Barg		
0 to 16 Barg	0 to 200 Barg		

Other equivalent units of pressure & vaccum are available on request

ENQUIRIES

Instruments : sales@radix.co.in
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Gauges : gauges@radix.co.in
Automation : automation@radix.co.in
Level : level@radix.co.in
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