



PRESSURE TRANSMITTERS

THE PCI4000 SERIES

Incorporating the latest strain gauge technology, the PCi4000 series of general-purpose pressure transducers have been designed for applications where an inexpensive yet reliable measurement of pressure is required.

Constructed from stainless steel with a stainless steel diaphragm for ranges above 20 bar, and a ceramic diaphragm for lower ranges, the PCi4000 is both extremely rugged and compact.

Applications include the continuous monitoring of oil, gas, water and other liquids in the process, industrial, medical and aerospace industries, plus the measurement and control of pressure in refrigeration, pneumatic, compressor, HVAC and engine monitoring systems.



Standard Features

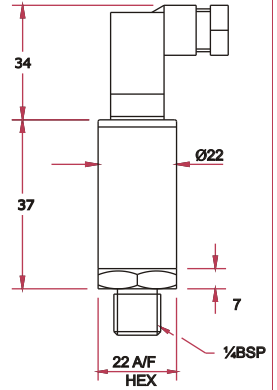
Pressure Ranges	0 to 1 barVAC, and 0 to 0.5bar to 700 bar
Pressure Reference	Gauge
Output Signal	4-20 mA (2 wire)
Zero Offset and Span Setting	±0.08mA
Process Media	fluids compatible with 303 stainless steel
Operating Temperature Range	-20° to +85°C
Temperature Effects	±2%FS total error band for -20° to 70°C
Pressure Connection	¼"BSP or ¼"NPT Male
Electrical Connection	Mating micro DIN socket with screw terminal connections, IP65-rated
Weight	95 grams
Certification	CE marked

Over-Pressure

In overpressure situations, the pressure can exceed the rated range by the multiples shown below with no damage or change in calibration above ±0.5%FS.

Range	Over-Pressure
-1bar to 20bar	1.6
25bar to 250bar	2
400bar to 700bar	1.5

DIMENSIONS (MM)



Options

Pressure Reference	Absolute
Output Signal	0-5 Vdc (3 or 4 wire), 0-10 Vdc (3 or 4 wire), 0-20mV (4 wire)
Pressure Connection	¼"NPT Male

Supply Voltage:

Measured across supply terminals on connector plug

Type	Supply
4-20mA	13-36Vdc
0-5V	13-30Vdc
0-10V	13-30Vdc
0-20mV	5-15Vdc



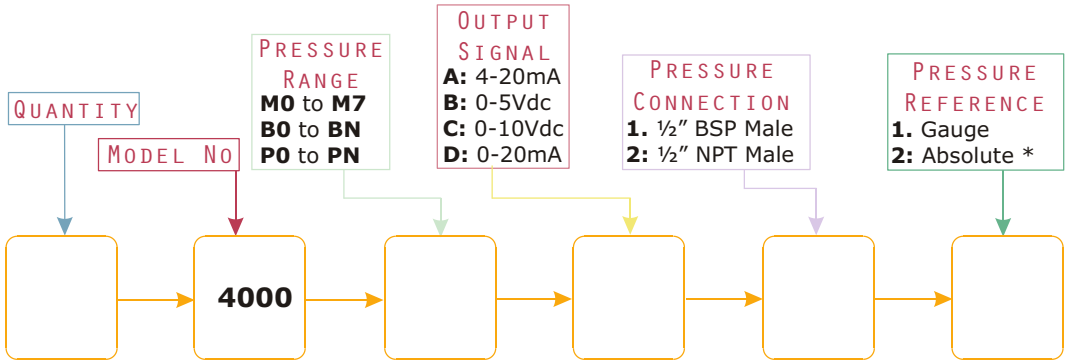
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ORDERING MATRIX ~ PCI4000

Locate the order code for your specification and enter it into the appropriate box. See the pressure range codes page for further information.

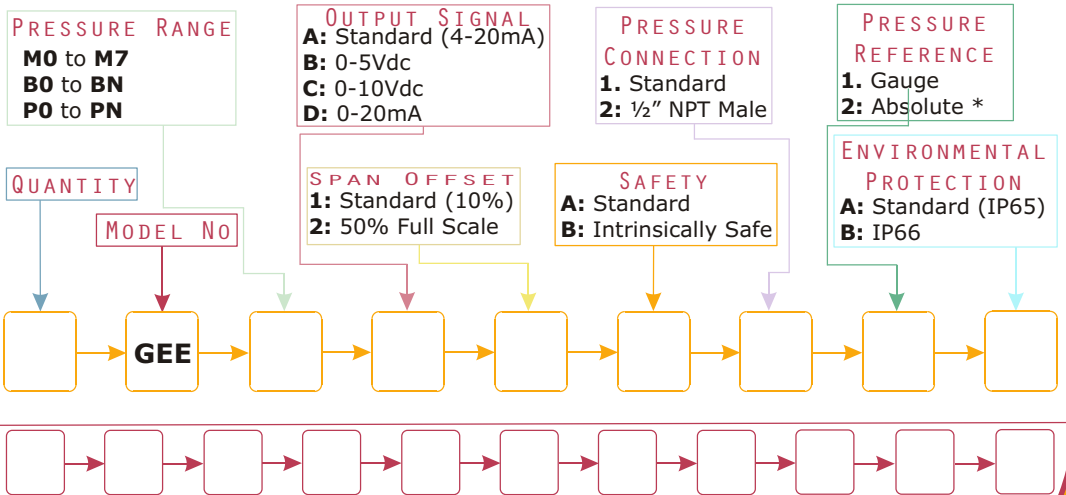


* Absolute instruments not available in millibar or compound ranges



ORDERING MATRIX ~ PCI4200

Locate the order code for your specification and enter it into the appropriate box. See the pressure range codes page for further information. The PCI4200 can be fitted to any of PCI's range of hygienic diaphragm seals for use in food processing and pharmaceutical situations.



Can be fitted with **HS**

Select the hygienic seal you want to have connected to this transmitter and write in the complete order number in the empty matrix above. Together with the transmitter order number this completes the specifications for your instrument.

* Absolute pressure instrument not available for millibar or compound ranges