



GE Measurement & Control

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Specification for Serial#: 3996217

Sales Number: H16151.1.1
Transducer Type: PDCR 921-05G-1742
Part Number: D921-05G-05G-1742
Pressure Range: -1 to +1 bar g
Supply Voltage: 5 V
Mounting Torque: 20 Nm
Pressure Connection: M14 x 1.5 Male
Zero Offset: 0 +/- 1.5 mV
Span: 50 +/- 0.5 mV

Non-Linearity & Hysteresis: max +/- 0.10 % BSL
Temperature Error Band: max +/- 1.50 % FRO

Compensated Temperature Range: -20 °C to +80 °C

Electrical Connection:
Cable Length: 0.52 Metres
Positive Supply: Red
Negative Supply: Blue
Positive Output: Yellow
Negative Output: Green
Internal 'R' Cal Facility: N/A
Screen: See Application Data

Date Issued: 23rd Oct 2013

Application Data

1. Supply voltage may be up to a maximum of 12 volts. Transducer sensitivity and current consumption will be proportional to supply voltage.
2. Current consumption will not exceed 10 mA for stated supply voltage.
3. Zero offset can be nulled using a 250 Kohm potentiometer across the output terminals with the wiper connected to the negative supply via a 250 Kohm resistor.
4. For best temperature stability, the transducer must be operated into a load impedance of > 50 Kohm.
5. A shunt calibration resistor may be connected between the negative supply and the negative terminal to produce a positive output. The output obtained may be temperature sensitive. In case of difficulty, refer to the manufacturer.
6. If a power supply earth is to be used, then the positive side should be earthed.
7. Following conventional practice, the cable screen is not connected to the transducer body.

Calibration Data

Calibration traceable to National Standards

Full Range Output (FRO) 49.72 mV at 23°C

Deviations from Best Straight Line

Pressure (barg)	0.00	0.00	0.21	0.41	0.62	0.62	0.83	1.03	1.03
Pressure (psig)	0.00	0.00	3.00	6.00	9.00	9.00	12.00	15.00	15.00
% FRO	0.03	0.03	-0.01	-0.04	-0.04	-0.03	-0.01	0.03	0.04

Thermal Zero Shift

Temperature (°C)	-20.0	0.0	23.0	50.0	80.0
% FRO	-1.24	-0.58	0.00	-0.17	-0.66

Thermal Span Shift

Temperature (°C)	-20.0	0.0	23.0	50.0	80.0
% FRO	0.58	0.22	0.00	0.12	0.25

Temperature Error Band +/- 0.62 % FRO