

UNIK 5000

Calibration Data and Installation Instructions

Date	: 02 December 2010	Serial Number	: 3152733
Supply voltage	: 7 to 32 V dc	Output signal	: 4 to 20 mA
Pressure range	: 0 to 500 mbar gauge	Pressure connection	:
Part number	: X5072-TB-A2-CC-H0-PN		



Electrical Details

Power Supply Requirements

Supply voltage..... 7 to 32 V dc

Output Signal

4 to 20 mA

Electrical Connection

DIN 43650

Wiring Details

Positive Supply	1
Negative Supply	2
Case	E

Calibration Data

Room Temperature Calibration

Pressure (mbar g)	Measured Deviation	Permitted Deviation
0.003	0.018 %FS	0.1 %FS BSL
99.982	-0.001 %FS	0.1 %FS BSL
199.990	-0.011 %FS	0.1 %FS BSL
300.071	-0.011 %FS	0.1 %FS BSL
399.964	-0.024 %FS	0.1 %FS BSL
499.950	0.021 %FS	0.1 %FS BSL
499.965	0.021 %FS	0.1 %FS BSL
250.009	-0.022 %FS	0.1 %FS BSL
0.032	0.010 %FS	0.1 %FS BSL

Thermal Performance

Compensated Temperature Range : -20 to 80 Deg C
Thermal Error : ± 0.27 %FS TEB

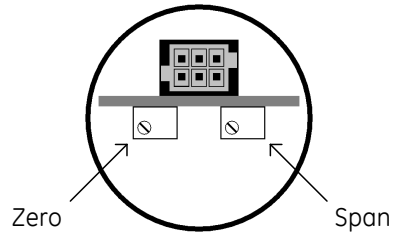
Zero and Span check

Low Range Output : 4.002 mA
Full Range Output : 20.009 mA
Span : 16.007 mA

Span and Zero Setting

To adjust the span and zero settings for the pressure transmitter.

1. Remove the electrical connector to access the zero and span potentiometers.
2. Connect the power supply to the transmitter and allow the transmitter to get a stable temperature.
3. Connect the pressure source and set to the necessary zero pressure value.
4. Adjust the zero potentiometer to required output at zero pressure.



5. Set the pressure source to the necessary span value.
6. Adjust the span potentiometer to required output at full-scale pressure.
7. Release the pressure.
8. Disconnect the pressure source and power supply.
9. Refit the electrical connector.