

# UNIK 5000

## Calibration Data and Installation Instructions

Date	: 22 March 2010	Serial Number	: 3080978
Supply voltage	: 7 to 32 V dc	Output signal	: 0 to 5 V dc
Pressure range	: -70 to 0 mbar gauge	Pressure connection	:
Part number	: A5073-TA-A3-CB-H0-PF		



### Electrical Details

#### Power Supply Requirements

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

#### Output Signal

0 to 5 V dc (4 wire)

#### Electrical Connection

DIN 43650

#### Wiring Details

Positive Supply .....	1
Negative Supply .....	2
Signal Positive .....	3
Signal Negative .....	E

### Calibration Data

#### Room Temperature Calibration

Pressure (mbar g)	Measured Deviation	Permitted Deviation
-69.999	0.006 %FS	0.04 %FS BSL
-55.999	0.021 %FS	0.04 %FS BSL
-41.990	-0.014 %FS	0.04 %FS BSL
-28.013	0.011 %FS	0.04 %FS BSL
-14.002	-0.002 %FS	0.04 %FS BSL
-0.002	0.000 %FS	0.04 %FS BSL
0.006	-0.003 %FS	0.04 %FS BSL
-35.003	0.000 %FS	0.04 %FS BSL
-70.001	-0.019 %FS	0.04 %FS BSL

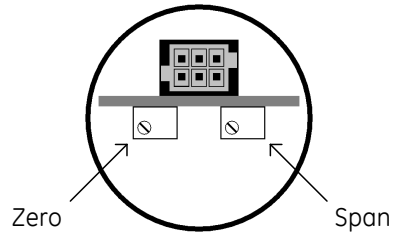
#### Zero and Span check

Low Range Output	: 0.000 V
Full Range Output	: 4.999 V
Span	: 4.998 V

## 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.