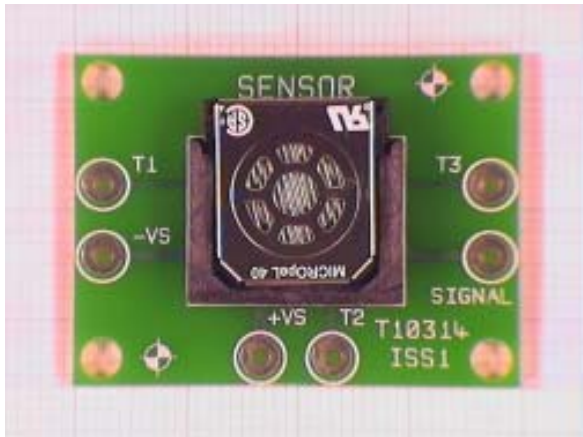


Sample Circuit Board Layout

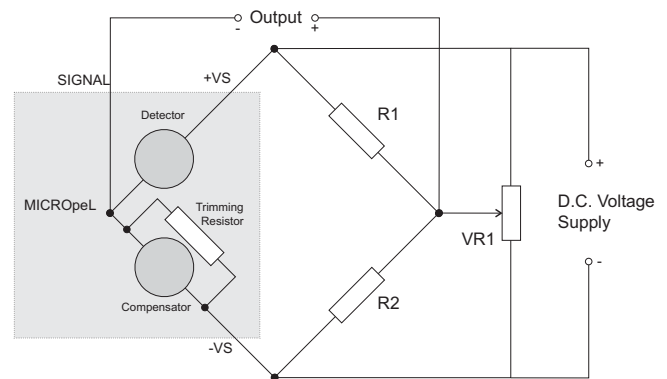


N.B. T1, T2, T3 are additional test points

Calibration Details

Although not critical, a gas flow rate of 0.5l/min is recommended.

Recommended Wheatstone Bridge Circuit



Electronic Characteristics

Operating Voltage	3.30V
Sensor Current	78 ±6 mA
R1 = R2	27Ω
VR1	1KΩ

N.B. Other resistor values may be employed to suit application.

Operation at Low Temperatures

Operation of the MICROpeL° combustible gas sensor at temperatures below -20°C may lead to a reduction in sensor sensitivity and stability if the sensor is subjected continuously to significant gas concentrations and for a period of several hours. Water vapour produced during the oxidation of combustible gas may form ice around the sensor detector and thereby restrict further gas access to the detector element. Continuous subjection of the sensor to 10% LEL methane for 4hr at -40°C will not produce any loss of signal although higher gas concentrations may cause sensor instability.

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