

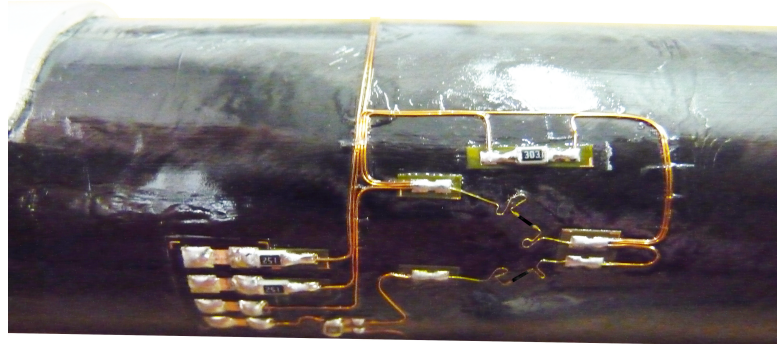


Acam Instrumentation Ltd

Mounts Business Park, 23 Thomas Street
Northampton NN1 3EN

Tel/Fax 10604 628700 Email: tom@acamltd.co.uk

Acam Instrumentation Ltd are specialists in all forms of Strain Gauging. We use mainly Semiconductor and Foil Strain Gauges and have designed Ceramic Strain Gauges which are available to special order.



Typical Semiconductor Strain Gauge

The most used Strain Gauges are Foil Strain Gauges.

They are used where high output is not necessary since the gauge factor is only typically 2. They have the advantage that temperature compensation of the finished sensor is easy.

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We can design an element or strain gauge a customers part provided it is made of repeatable material.

Semiconductor Strain Gauge

of small size and very high gauge factor (in the order of 140). This means that a very high output for a given material size is possible. Thus the structure required can be far stiffer than by using Foil Gauges. We can design a product for your system.

If very accurate sensor temperature performance is required we have developed a number of temperature compensation techniques.

Semiconductor Strain Gauges are, in general, smaller allowing a more compact form of sensor.

Strain Gauging