

FEATURES

- They are suitable for measurement of both static and dynamic applications
- Reliable, trustworthy reading
- Wide temperature range
- Clear alignment marks
- Low sensitivity

RS PRO Wire Lead Strain Gauge 3.5mm, 120 Ω -30°C +80°C

RS Stock No.: 632-180



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Our RS PRO strain gauges have been created and designed to measure the strain and force of an item, each foil strain gauge has a laminated surface with 30 mm integral leads. The gauge sticks to an item, as it deforms the electrical resistance changes - this process can sometimes be referred to as the "gauge factor". Our RS Pro strain gauges can be used in a multitude of applications for strain measurement, such as keypads, medical devices and automotive products.

General Specifications

Gauge Factor	2.1
Gauge Factor Tolerance	Within $\pm 0.015\%/^{\circ}\text{C}$
Gauge Resistance	120 Ω
Resistance Tolerance	Within $\pm 0.5\%$ of the nominal resistance
Base Colour	Red

Mechanical Specifications

Dimensions	9.5mm x 3.5mm
Gauge Length	5mm
Length	9.5mm
Width	3.5mm

Operation Environment Specifications

Minimum Operating Temperature	-30 $^{\circ}\text{C}$
Maximum Operating Temperature	+80 $^{\circ}\text{C}$

Approvals

Compliance/Certifications	CE
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