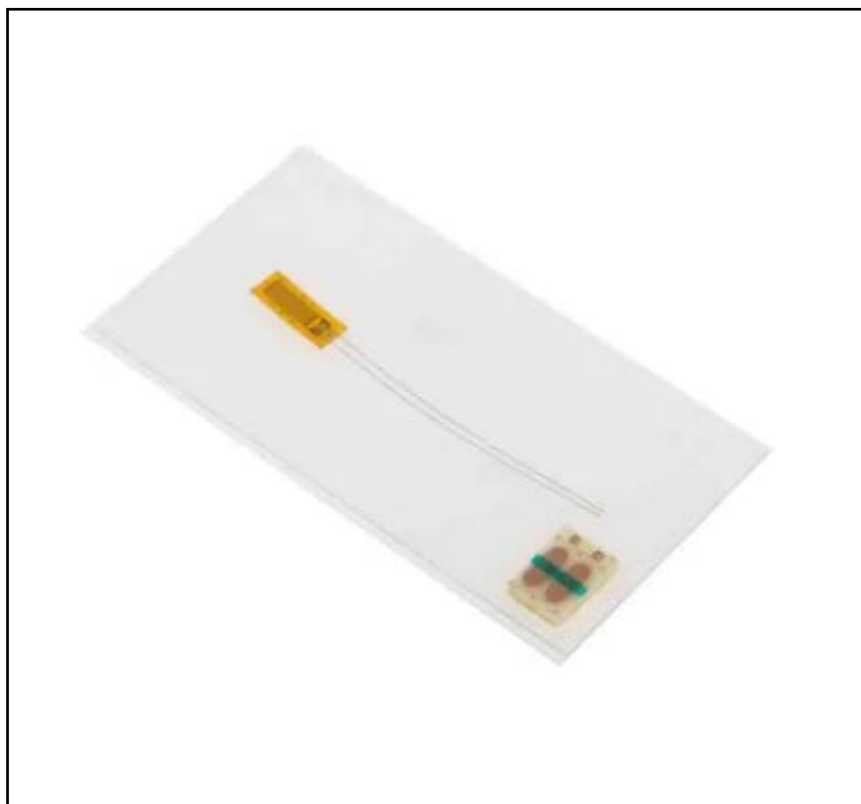


FEATURES

- Mild Steel
- Almost no effect on test object
- Distant and multi-points measurements are possible
- Applicable to both static and dynamic strains
- The gauges, being fitted with leads are easy to handle

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

RS Stock No.: 632-168



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 $\pm 1\%$ of the value indicated on individual gauge packet for gauge lengths of 5 mm to 60 mm Within $\pm 2\%$ of the value indicated on individual gauge packet for gauge lengths of 0.3 mm to 3 mm
Gauge Resistance	120ohms
Resistance Tolerance	Within $\pm 0.5\%$ of the nominal resistance
Terminal Type	Wire Lead
Base Colour	Red
Fatigue Life	$>10^6$ reversals at 1000 μ strain

Mechanical Specifications

Dimensions	9.5mm x3. 5mm
Gauge Length	5mm
Length	9.5mm
Width	3.5mm

Operation Environment Specifications

Minimum Operating Temperature	-30°C
Maximum Operating Temperature	+80°C

Protection Category

IP Rating

IP 65

Approvals

Compliance/Certifications

CE