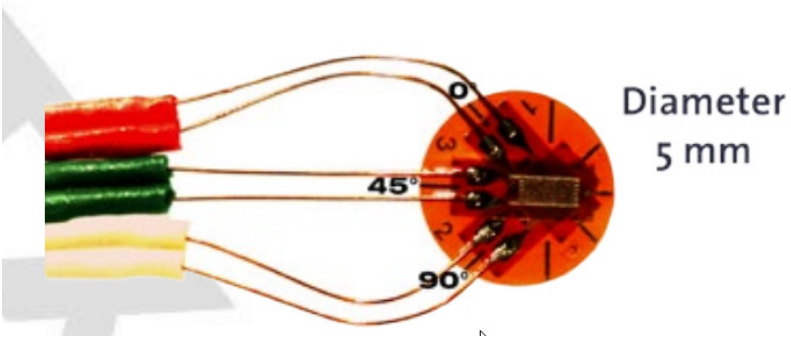
Strain measurement
ATX Hardware

ATX uses 120 Ohm rosette strain gauges that can measure the deformation in 3 directions (0°/45°/90°).



THE FOLLOWING MUST BE OBSERVED WHEN INSTALLING THE MEASURING STRIPS:

- The strain gauges, including the connecting cables, can only be mounted in areas where there are no collisions with spring contact pins, hold-down devices and PCB supports.
- A flat and clean surface is required for gluing on the strain gauges, if possible without any access hatches.

IMPORTANT: These specifications must be observed during positioning, otherwise the measurement results may be falsified.

The positions of the strain gauges must always be determined by the customer in the free space remaining after construction. If there is an acute shortage of space, ATX can provide suggestions on request as to where it is still possible to place the DMS. These proposals must be approved by the customer in writing. We provide the following data for the assessment and selection of DMS positions:

- 1:1 foil on which the position of the test pins and hold-down devices (top and bottom side) are entered.
- 1:1 drawing of the PCB, with details of all components and the resulting free areas, in the same size as the film.
- As the customer, you specify which components may be removed in order to generate the required free space, if necessary. We are happy to offer you a stress analysis in advance to help you recognise any hot spots and select the right locations.

It takes 3-5 working days to carry out the strain gauge measurement.