

TECHNICAL FEATURES

- ✓ Type of strain gauge: Wheatstone bridge;
- ✓ Nominal resistance of each strain gauge: $350 \Omega \pm 0.5\%$;
- ✓ Strain gauges position: 0° - 45° - 90° - 135° ;
- ✓ Power supply: 7.5 VDC.



The triaxial strain cell (Doorstopper test) is made up of 3 or 4 electrical resistance sensors placed at 45° angle from each other. They are glued to the bottom of a borehole, previously cleared and levelled, excavated in rock or concrete. Overcoring this portion of material causes stress relief measured by a variation of the electrical resistance for each sensor of the triaxial strain cell that was glued.

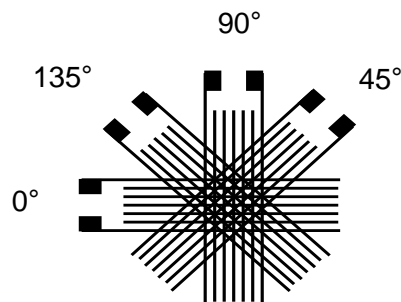
Through these changes in electrical resistance it is possible to trace back the status of stress to which the material

monitored was subjected to.

The triaxial strain cell is mounted on a special plastic structure with a military (Mil Spec) connector to measure for resistive measurement of the strain gauge sensors.

It comes with an epoxy glue kit to fix it on the rock-concrete and, if needed, with special centring frame for fastening and measurement from bottom hole.

Placement of the Strain Gauges



CE product compliant with European directives