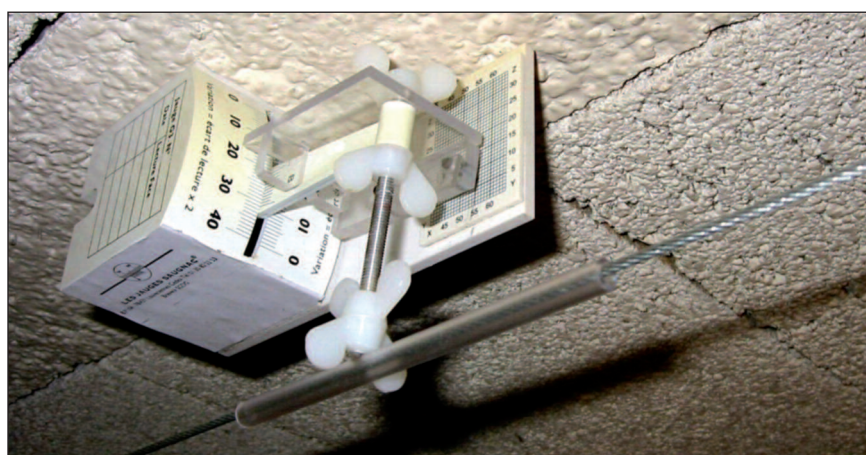


G130 System

● G3 GAUGE

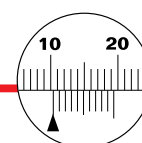
With the device depicted, which uses the simplicity and precision of the G3 gauge, the change in sag, the lean of a wall or the distortion of a structure relative to 2 fixed points can be detected to 1/10th of a mm.



G130 system with graphic recording kit

Principle

- The body of the G3 gauge is firmly attached to the structure under study, either by a self adhesive tab or if the surface is irregular, damp and of poor quality, using an intermediate plate.
- The sensor mounted on the G3 gauge arm is in contact with the cold drawn Invar wire stretched between 2 fixed points independent of the structure being monitored.
- Readings are made under constant tension controlled by a pre-loaded spring.
- If the sagging increases the gauge reading decreases accordingly.



The tools, measurements, expertise, and service

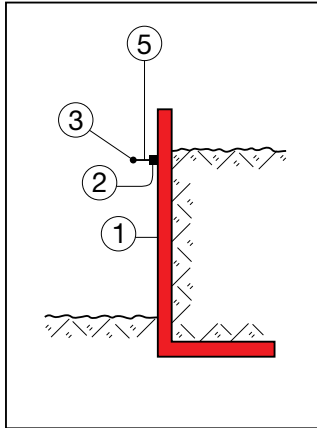
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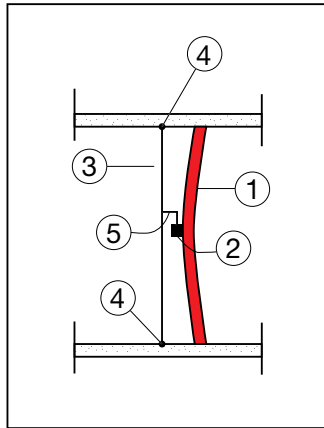
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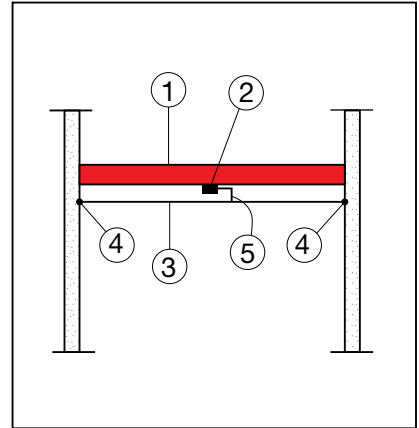
Application examples of the G130 system



Monitoring the lean of a retaining wall




Monitoring the vertical sag of a wall being compressed

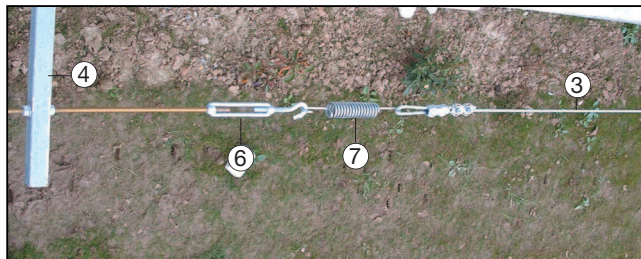


Monitoring the sag of an horizontal beam

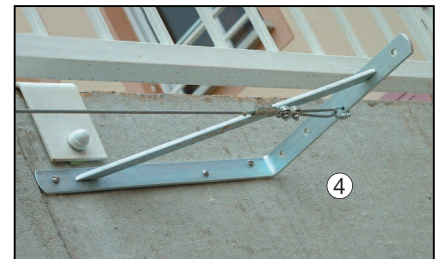
Key

- | | | | |
|---|---|---------------------------|---|
|  | 1. Structure under study | 3. Taut cable | 6. Mechanical device to control the Invar cable tension |
| | 2. G3 gauge attached to the structure being studied | 4. Fixed points | 7. Pre-loaded spring |
| | | 5. Sensor of the G3 gauge | |

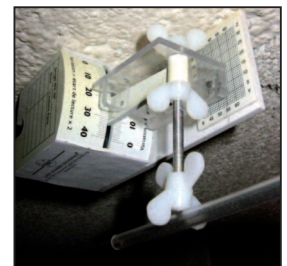
Details of the G130 system



Monitoring the change in lean of a retaining wall



Monitoring the evolution of sagging



fixing and cable tension details



Specific case studies