



6 AXIS STRAINMETER

6 axis optical strainmeter

INFORMATIONS

■ MARKET

- Civil Engineering
- Geothermal Energy
- Volcanology
- Energies

■ APPLICATIONS

- Geological extraction
- Geological storage
- Infrastructure monitoring
- Research

■ INTELLECTUAL PROPERTY

- Patent
- Know how

■ TRL LEVEL

- Validation of the technology in laboratory environment



■ PARTNERSHIP

Industrial transfer

■ LABO / RESEARCH INSTITUTION

- Montpellier Geosciences
- University of Montpellier

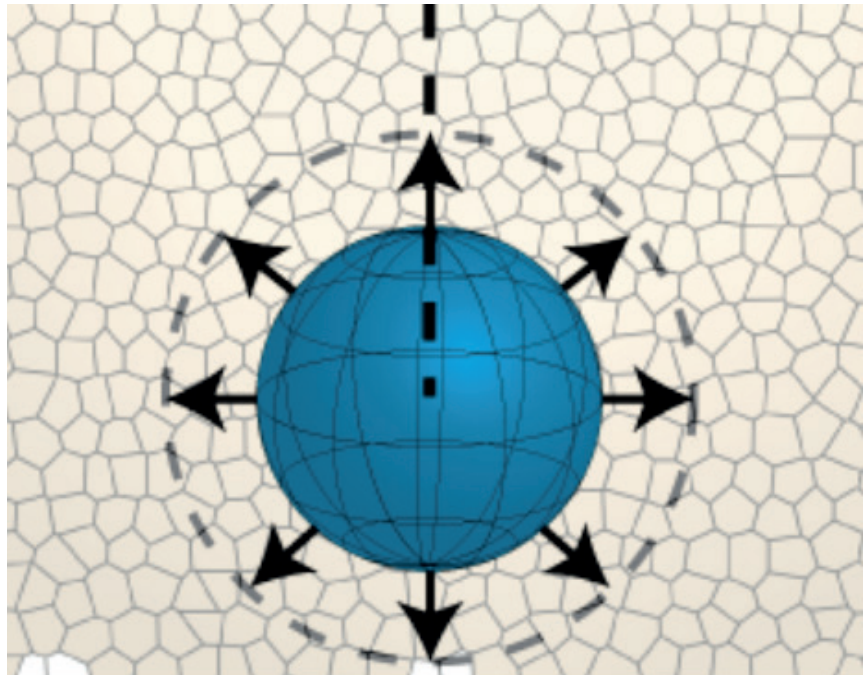
■ REF. 1066-2

TECHNOLOGY DESCRIPTION

- 6-axis strainmeter allowing monitoring of the X, Y, Z, XY, XZ, YZ axis of the deformations within a borehole. This strainmeter has an expected resolution of 1 nstrain on each axis (0.1-100 Hz) with a limited drift compared to the Gold Standard.

DEVELOPMENT STAGES

1. To date, a prototype has been installed in the field for testing in real conditions.
2. Six other prototypes are being produced and will be installed and tested on different terrains.



COMPETITIVES ADVANTAGES

- 6 measuring axes
- Resolution of 1 nstrain
- Low drift
- Low cost
- Optical measurement of deformation, insensitive to induced currents