

LUGEOTEST®

IN SITU SOIL PERMEABILITY TESTING

Ref: A6_9900501
GeoVision®-L: N2_5910008

THE +

- + Precise control of the water injection valve applying the pressure steps
- + Volume counter & pressure gauge for easy data acquisition
- + Data acquisition on GeoBOX® with the help of the manual input of Lugeon test



APPLICATIONS

Assess water flow potential in the soil and then detecting anomalies and fissures.

The Lugeon water test is an in situ **test of formation permeability** applicable to fractured rock, masonry and cohesive soil with mechanical resistance corresponding to the water pressure applied during testing.

It can be used with the following equipment:

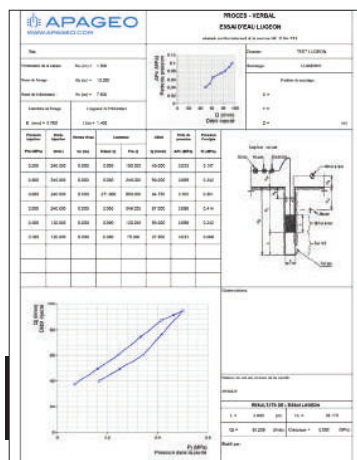
- Triplex pump, flow 100l/min, 11 bar [see p.24](#)
- Nitrogen bottle with regulator [see p.67](#)
- Packer and water level indicator [see p.96](#)
- Drilling rod for the packer manipulation [see p.133](#)

THE ELECTRONIC LUGEOTEST®

Ref : A6_9900511
GeoBOX® : N7_5900980
GeoVision®-L : N2_5910008

THE +

- + Automatic control and acquisition of the test on GeoBOX® with automatic Lugeotest®
- + Automatic variation of the steps according to the reaction of the ground
- + Real time test visualization on GeoBOX®
- + 4G modem system (option)



POSSIBILITY TO USE A SENSOR INSTALLED IN THE CAVITY, VIA AN INSTRUMENTED COUPLING ABOVE THE PACKER! WORKS WITH THE LUGEOTEST (THE INSTRUMENTED COUPLING IS CONNECTED TO A STAND-ALONE DISPLAY) AND THE ELECTRONIC LUGEOTEST (THIS REPLACE THE SENSOR ON THE INJECTION LINE)



GV Data can be **directly processed** on our geotechnical software GeoVision® through a **USB key or 4G modem transfer**