



Ref GeoPAC® 50 : N7_5900000
 Ref GeoPAC® 100 : N7_5900050
 GeoVision®-P: N2_5910001

5 MPa 10 MPa

GEOPAC®

AUTO CONTROLLED PRESSUREMETER

THE +

- + Piloting and data acquisition by WIFI with GeoBOX®
- + Automatic procedure from the expansion to the deflation of the probe
- + Automatic pressure lag settings
- + Perfect management of the pressure increments
- + Reliable results
- + Low consumption of gas

APPLICATIONS

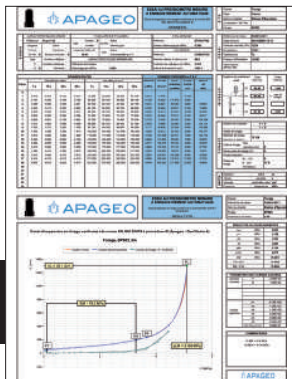
• In situ controlled loading test performed on the wall of a borehole using a cylindrical probe that expands radially

GeoPAC® manages all the different steps of a pressuremeter test according to the **ISO 22476-4 and ASTM D4719-07 standards**. From the test readings (volume variation based on controlled pressure), a stress-strain curve can be obtained for the soil in the case of plane deformation.

Testing enables definition of three parameters: Ménard pressuremeter modulus (E_M), Creep pressure (P_f), Limit pressure (P_l)

IMPLEMENTATION

The operator enters the different parameters of the test in GeoBOX® (borehole number, depth of the test, pressure of 1st pressure stage etc...). As soon as the probe is lowered into the borehole to the required test depth, GeoBOX® can launch the test execution. From now, GeoPAC® controls all the sequences of the whole process: standard test, pressure loss, volume loss, probes bleeding. Pressure increments and pressure lag settings are also automated. During the entire process, GeoBOX® offers a monitoring of the pending test on its screen (progression, real time view of the results, line graph etc...). At any time, the operator can decide to stop the test from GeoBOX®.



More info on GeoBOX® page 33

THE MOST EFFICIENT ON THE MARKET

Easy to use and unrivalled pressure regulation for perfectly performed tests



NEW !

- CYCLIC TEST ACCORDING TO THE ASTM D4719-07 STANDARD OR ACCORDING TO A PROPER PROGRAMMATION
- CONTROLLED VOLUME
- SINUSOIDAL MODE

Recordings can be directly edited on GeoBOX®'s portable printer



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



Ref: N7_5900060
 GeoBOX® : N7_5900980
 GeoVision®-P: N2_5910001

25 MPa

30 MPa

HYPERPAC®

AUTO CONTROLLED PRESSUREMETER FOR VERY HIGH PRESSURE TEST

THE +

- + Piloting and data acquisition by WIFI with GeoBOX®
- + Automatic procedure from the expansion to the deflation of the probe
- + Automatic adjustment of pressure increments
- + Perfect management of test pressure
- + Reliable results

APPLICATIONS

⊗ **In situ controlled loading test performed on the wall of a borehole in rock using a cylindrical probe that expands radially**

HyperPAC® manages all the different steps of a pressuremeter test with very high pressure for very hard formations and rocks. From the test readings (volume variation based on controlled pressure), a stress-strain curve can be obtained for the soil in the case of plane deformation.

Testing enables definition of three parameters: Ménard pressuremeter modulus (E_M), Creep pressure (P_f), Limit pressure (P_l)

IMPLEMENTATION

The borehole is drilled by coring or percussive method, so as to minimize wall disturbance. It has to keep a cavity diameter compatible with the probe size (46 mm or 74 mm).

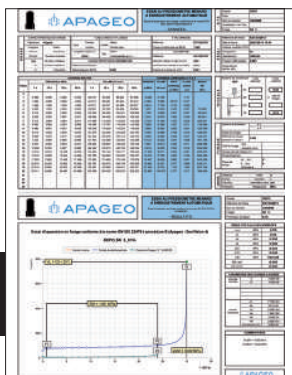
The operator enters the different parameters of the test in GeoBOX® (borehole number, depth of the test, pressure of 1st pressure stage etc...). As soon as the probe is lowered into the borehole to the required test depth, GeoBOX® can launch the test execution. From now, HyperPAC® controls all the sequences of the whole process: standard test, pressure loss, volume loss, probes bleeding. During the entire process, GeoBOX® offers a monitoring of the pending test on its screen (progression, real time view of the results, line graph etc...). At any time, the operator can decide to stop the test from GeoBOX®.



More info on GeoBOX® page 33



Easy to use and unrivalled pressure regulation for perfectly performed tests



PERFORMING CYCLIC TESTING ACCORDING TO A USER-DEFINED PROGRAM



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

// IN SITU MEASUREMENT EQUIPMENT