

Digital Pressure Volume Controller (PVC) for in situ pressuremeter

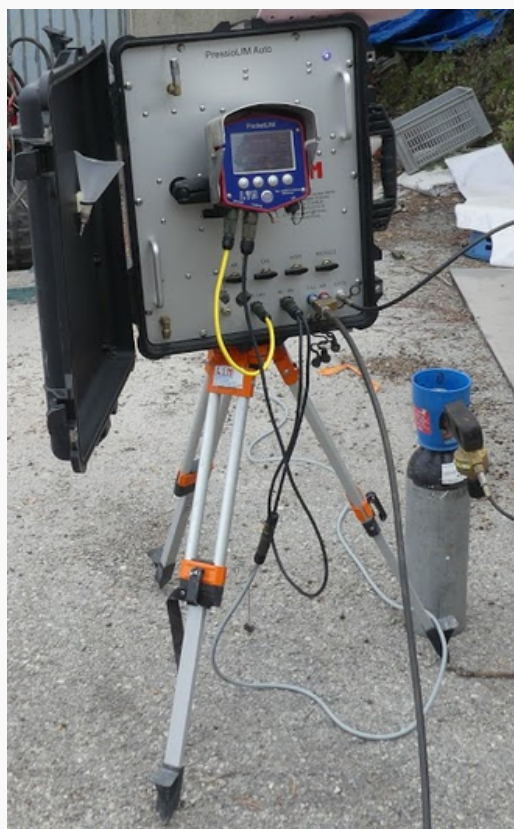
The **PressioLIM AUTO** is a Pressure Volume Controller (PVC) that performs in situ pressuremeter tests in automatic or semi-automatic mode via servovalves. It allows stand-alone and smart regulation management of the different Pressure & Volume variables.

The **PressioLIM AUTO** meets the EN ISO 22476-4 European standard (L.Ménard).

Two versions are available:

The **PressioLIM AUTO 80**, 0-80 bar.

The **PressioLIM AUTO 130**, 0-130 bar (High Pressure version).



GSM



Wifi

- ✓ Weight : 26kg - 57 lbs
- ✓ Size: 62 x 49 x 22 cm
24 x 19 x 9 inch

The PressioLIM AUTO must be used with a PocketLIM 5G or a MiniLIM 5G (PRESSIO or GEOTECH versions)

Technical specifications

- ✓ In situ pressuremeter tests can be carried out up to 130 bar (HP Version)
- ✓ Automatic calculation of differential pressure as a function of depth
 - ✓ No limitation in depth
- ✓ Regulation of pressures via pilot operated servovalves
- ✓ Constant control of variables to keep the device security in case of overpressure or too large volume
- ✓ Initial conditions control to assume the proper execution of in situ pressuremeter tests
- ✓ Choice of the pressuremeter tests procedure: automatic or semi-automatic
- ✓ File transfer via USB, 3G/4G and Wifi
- ✓ 12-24 VDC power supply
- ✓ Automatic data transfer and processing with **LIM@Mail & GEO-LOG 4**

In situ pressuremeter tests: Automatic Pressure Volume Controller

Automatic mode

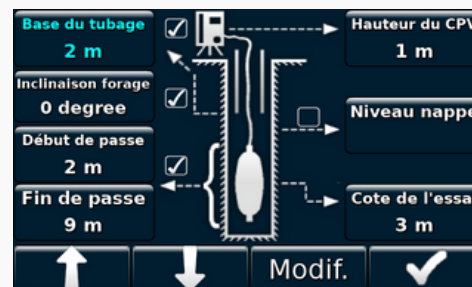
- ✓ Self execution of pressuremeter tests
- ✓ Possible intervention of the operator who can choose intervals between pressure stages
- ✓ Schedule test end according to conditions defined by the operator

Semi-automatic mode

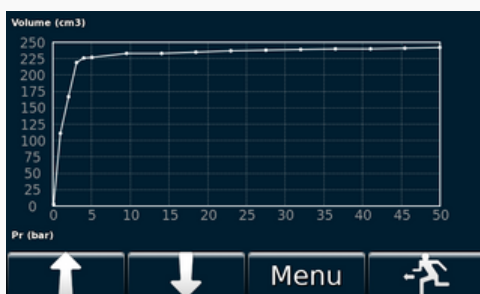
- ✓ Pressure stage monitoring by the operator
- ✓ End of test on operator action



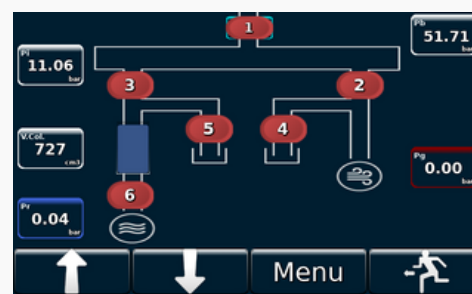
Measurement menu



Borehole configuration



Test curve



Maintenance menu