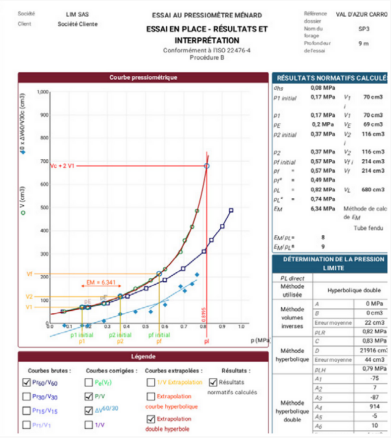
PressioLIM AUTO

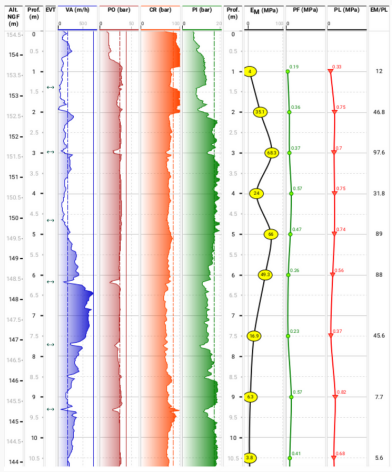
PRESSIOLIM AUTO - LIM@mail -GEO-LOG 4

Automatic pressuremeter solution from the in-situ test to analysis (EN ISO 22476-4 standard)

PressioLIM AUTO and PocketLIM 5G



Pressuremeter test analysis



Pressuremeter borehole log

LIM proposes an entirely automatised **Pressuremeter solution** from the in-situ test to the final analysis with **PressioLIM AUTO** pressuremeter, **PocketLIM 5G** digital recorder, **LIM@mail** data transmission service and **GEO-LOG 4** web application.

P**ressioLIM AUTO** is a pressuremeter that can work in automatic or semi-automatic mode. It performs standardised pressuremeter in-situ tests till 130 bar (HP version).

PocketLIM 5G digital data recorder which is the human/machine interface with **PressioLIM AUTO** stores each pressuremeter test in **BOR, an exchange format** (https://bor-form.at/en/). This file format is open in order to be processed with any specialised application or software of the market.

BOR pressuremeter datafiles are then transmitted over the internet from **PocketLIM 5G** with **LIM@mail** service. Pressuremeter data is automatically processed and analysed according to EN ISO 22476 standard to obtain PDF of each pressuremeter test report and corrected curve.

Once each test of the borehole has been analysed, the PDF of the borehole log is generated with drilling parameters if they have been recorded.
In case of no connection in the job site, datafiles recorded by the **PocketLIM 5G** can be copied to a USB in order to be directly processed with **GEO-LOG 4.**
All generated PDF reports are automatically sent by email to previously selected recipient addresses.

GEO-LOG 4 is a web application (cloud based software) which can be accessed from any connected IT support (PC, Apple, tablet, smartphone, ...).
With **GEO-LOG 4,** the geotechnical operator has an access to files where pressuremeter tests and boreholes automatically analysed by **LIM@mail** are stored. So he will be able to modify data if necessary and complete borehole logs by adding missing information like lithological interpretation.
GEO-LOG 4 is also a geotechnical database where data is entirely securised, login and password protect the access like any sensitive web application.

The analysed data stored in the cloud can be repatriated to any local server or computer, the file format used is the AGS (https://www.ags.org.uk/data-format/). **AGS** is a file format which is internationally recognised for geotechnical borehole data