

The **MiniLIM-6G** is a drilling and micropile parameter acquisition and display unit developed by LIM SAS. Designed for outdoor use in demanding site conditions, it can be installed on all types of drilling machines.

With the Micropile configuration, the **MiniLIM-6G** can also display and record the volume of grout injected after the drilling phase of a micropile.

With the **Lim@mail** and **Geolog-4** applications, the **MiniLIM-6G** enables data transfer, pre-processing, editing and automatic e-mailing of drilling parameter reports a few seconds after each drilling operation.



Key features :

- ✓ CAN BUS technology for communication with sensors simplifies installation and facilitating after-sales service;
- ✓ Simple, effective Human Machine Interface (HMI) via black & white display (4.5" TFT format broadband) with icons and no text; anti-glare & virtual touch keyboard;
- ✓ Immediate responsiveness when a key is pressed;
- ✓ Boot time reduced to 15 seconds;
- ✓ Scratch-resistant, vandal-proof tempered glass front;
- ✓ Virtually unlimited storage memory capacity (several thousand kilometers of recordings depending on depth).
- ✓ Automatic data synchronization technology via USB stick, GPRS 3G/4G modem and Wifi;
- ✓ Link in the LIM data exploitation solution with LIM@Mail and GEO-LOG 4;

The MiniLIM-6G enables real-time acquisition and recording of various drilling parameters as a function of depth, such as :

- ✓ Instantaneous feed speed (VIA), in m/h or m/min.
- ✓ Pressure on Tool (PO), in bar.
- ✓ Injection pressure (PI) of drilling fluid, air or water, in bar.
- ✓ Rotating Torque Pressure (CR), in bar.

Optional:

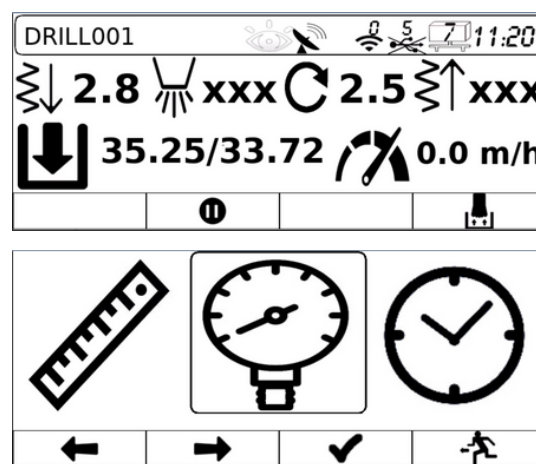
- ✓ Back Pressure (PR), in bar;
- ✓ Rotation speed (VR)
- ✓ Injection volume in drilling phase
- ✓ Micropile configuration, (display and recording of volume in injection phase after drilling)
- ✓ GPS metric drill positioning;

The MiniLIM-6G features a simple, effective man-machine interface, with a high-brightness black & white screen, whose various menus are accessed via heavy-duty buttons adapted to site conditions.

Folder and borehole names are entered via a touch screen.

Data files stored in the MiniLIM-6G's internal memory are automatically transferred to the GEO-LOG 4 web application via GPRS 3G/4G modem and/or Wifi, or by USB key for download.

MiniLIM-6G menus



Technical specifications :

- ✓ Cortex-A35 microprocessor, 4 64-bit cores @ 1.2 GHz.
- ✓ Embedded LINUX kernel operating system (V 5.4).
- ✓ Internal GSM/GPRS/EDGE/LTE modem;
- ✓ 1 external USB connector.
- ✓ Internal memory: 10 GB (>10000 km for 4 drilling param.).
- ✓ 4.5" touchscreen 800 x 480 pixels, TFT;
- ✓ 4 x "vandal-proof" buttons;
- ✓ Weight: 1 kg.
- ✓ Dimensions: 170 x 135 x 61.5 mm.

- ✓ Wifi connectivity.
- ✓ Power supply: 12-24 VDC;

