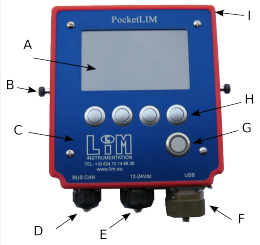
PocketLIM : Drilling version

Overview of PocketLIM 5G

Thanks to the combination of buttons and touchscreen technology, the navigation from menu to menu in the PocketLIM is very user freindly.



A. Color touchscreen 16/9

B. Fixation screw for the pocketLIM mechanical support

C. Anodised aluminium front panel

D. Socket for CANBUS cable (+ protective cap)

E. Socket for battery power cable (+ protective cap)

F. Socket for USB flash drive (+ protective cap)

G. ON/OFF button (Briefly press this button to turn ON or OFF the pocketLIM.)

H. Navigation buttons

I. Mechanical Casing in High Density Polyethylene

Starting the pocketLIM 5G

- Connect the CAN bus cable and power cable (D and E in above diagram)
- Briefly press the ON/OFF button (G)

The unit will turn on and begin its initialisation, a scroll bar appears after a few seconds to indicate the initialisation phase. The unit will take about 15 seconds to initialise . Once the device has started, the following menu appears.

Programing at the begining of drilling

- Verify the presence of the CAN electronic boards, with the help of the icon on the top right of the screen. The number shown will depend on your installation and should be greater than or equal to 2.
- From the main menu, press the start button (BP2). Modify the information specific to the hole you are about to start: in most cases it is sufficient to change just the number of the hole by the + and - buttons on the top of the screen. To do this, either press directly on the touchscreen, or use the button BP3 (menu), then BP1 or BP2 to hightlight in green the + or the -. Then BP3 to validate.

waiting menu

information menu

Note: the name of the borehole is compsed of a fixed part (prefix) and a variable part (number): ex : SP00015. If the n° of the borehole equals zero then only the prefix will be taken into account.

- Once validated, the measurement screen appears in "pause" mode (the "pause" is highlighted and "play" is not). In addition, when paused, the depth of the borehole and depth of the tool are dark

. In this mode, users benefit from the display of all measurements in real time but without being recorded.

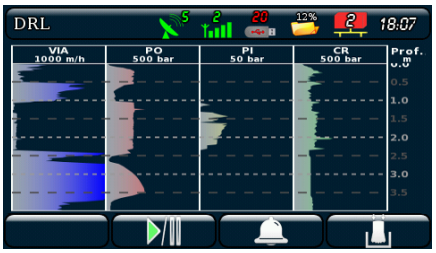
- Position the tool at ground level, then press the button BP2 which becomes . As can be seen on the thumbnail menu "measurement", the borehole depth and tool depth are no longer dark and two new buttons have appeared on the screen, the particular event and the rod add button
- You can now start drilling.

pause menu

While drilling

- During drilling, the operator can control the depth of the borehole (maximume depth) and also the tool depth (Position of the tool in the hole, useful for when cleaning the hole).
- At any time the operator can switch to the graphical display by simply pressing on the depth of the hole, or tool part of the screen.
- When adding a rod, the operator must, after performing the maneuver and repositioning the tool at the correct depth, press the button BP4 which becomes .
- In the case of stoppage before the end of the borehole (for example the end of the shift), switch to pause mode by pressing the button BP2 , turn off the pocketLIM by pressing the ON/OFF button (G). At the begining of the next shift, turn on the unit, the pause menu will be displayed : simply switch to measurement mode. Once the tool has touch the bottom of the borehole, the recording will recommence.

measurement menu



real time graph menu

End of drilling

- When drilling is completed, switch to pause mode and end the borehole by pressing the button BP1 (end).

Note : if the unit is configured with the GSM mode auto synchronisation, the file is automatically transferred via the 3G network. If the unit is configured for USB auto copy (see full documentation) and the USB device is inserted the borehole file is automatically copied.

current drilling measurement menu

- To view the last hole drilled, just press the button BP4.

Sources et contributeurs de l'article

PocketLIM : Drilling version *Source*: http://wiki.lim/index.php?oldid=7633 *Contributeurs*: 10 modifications anonymes

Source des images, licences et contributeurs

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