

ENVI LOGGER G1

*A fully digital logger system allowing maximum user control.
Bluetooth powered data transfer.*



The G1 system is a digital logger system for recording drill data. A CAN bus for up to 64 CAN open sensors is used for data communication. Presentation can be done on any type of PC.

You can easily maneuver the system using the Envi keypad.

(Read more about our keypad in separate flyer)



The PC is connected via Bluetooth.

The system can record the following drill parameters and probe data:

Drill data

- Current drill depth
- Rate of penetration = Drill speed
- Hammer Pressure
- Rotation Pressure
- Flush Pressure
- Rotations per minute (RPM)
- Rotation count (Number of half turns per 10,15 or 20 cm)
- Feed force calculated from thrust and holdback pressure
- Flow volume
- Time for 10, 15 or 20 cm increase in drill depth
- Blow count for SPT and "hejarsondering" and equivalent
- Blows per 10,15 or 20 cm

Probe data

- Envi Memocone CPT + resistivity + seismic
- Envi Vane
- Envi Column penetration test probe

You can use analogue sensors and convert it to digital CAN data using an Envi CAN converter box. (The image to the right shows two different types)



The system can also record CPT data. A wireless acoustic kit is available as add-on.



If you have a lap top you can protect it using our PC protection boxes. We offer several types of protection boxes. You can also order a tailor made protection box.



If you want to measure and record flow and flush pressure our portable "rack" with a flow meter and optionally also a pressure transducer can be used. Using the rack the meter can be used with many rigs and loggers systems. Of course you can also mount a permanent meter on your rig



The "Envi Field Computer".
We deliver a PC running Windows 7 with all software installed and tested together with your logger system.

Additional docking station is available upon request.



All contacts and boxes conform to IP65 or better (most components fulfill IP67 or better)

Cables are oil and cold resistant and made for flexing use

Gateway box	Size 220 x 90 x 120 mm	Weight 1,1 kg
CAN converter box	Size 100 x 65 x 40 mm	Weight < 0,2 kg
Power box	Size 160 x 60 x 80 mm	Weight < 0,3 kg

Accessories

Keypad

Meets IP67 and operating temperature is -20°C to 70°C.

Buttons made of oil resistant plastic.

Physical dimensions 120 x 80 x 60 mm

Weight < 0,2 kg

Flow and flush pressure meter

We use a Krohne flow meter, but more or less any brand would do

Meets IP65

Is normally delivered mounted in a rack but you can also get it mounted on the rig.

Physical dimensions rack 500 x 400 x 250 mm

Weight approximately 10 kg

Sound receiver for cordless CPT

Meets IP65 and operating temperature

is -20°C to 70°C. Physical dimensions

180 x 80 x 60 mm

Weight < 0,3 kg

PC

You can buy a PC of your own choice or order one from us to get it delivered together with the system, with software installed and tested. We also offer a PC that we manufacture that can be mounted in a panel on the rig or mounted in a protective casing that can be mounted on the rig.

Protective PC box

If you want to protect your PC you can add the PC protection box. This is made of 2.5 mm stainless steel and has a window so you can see the PC also with the lid closed.

We have several variants in store but you can also order a tailor made protection box.

All types of protection boxes work better with external keyboard added, and even better if you add the Envi Keypad too.

Produced, developed and manufactured in Sweden.

