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
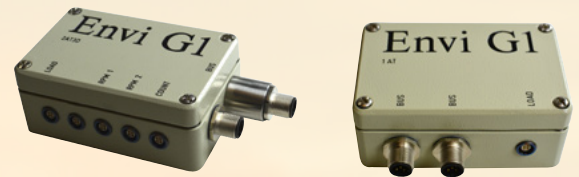- Blows per 10,15 or 20 cm

Probe data

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

Envi
Environmental Mechanics AB

CAN converters

You can use analogue sensors and convert it to digital CAN data using an Envi CAN converter box.
The image to the right shows our "2AT3D" and "1AT" boxes

Cordless sound receiver for cordless CPT

Released in 2018, the Envi BlueSound transmits sounding data from your cordless CPT to the logger via BlueTooth.
Contacts and box meets higher IP-classes.
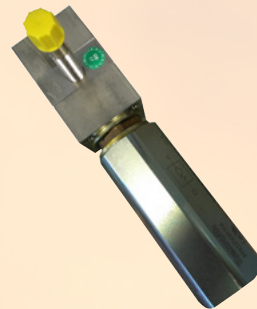Portable installation.
Uninterruptible power system

Flow and flush pressure meter

We use an OEM flow meter, meets IP65, protected by a check valve. This is our first hand choice when installing a flow meter. When installed by Envi, we also manufacture a custom built mounting plate if need be.

We also carry our own stand alone "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.
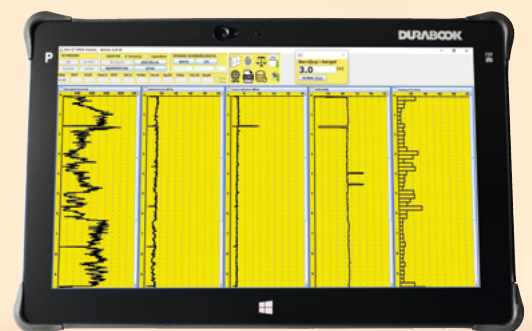Physical dimensions rack 500 x 400 x 250 mm
Weight approximately 10 kg

PC

The "Envi Field Computer".
We deliver a PC running Windows 10, with all software installed and tested together with your logger system.

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

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

Developed and manufactured in Sweden.

Revision: 2022-12