



MSbox

Penetrometer data acquisition



Data acquisition unit for dynamic penetrometer, Simple, robust, economic!

The MSbox data acquisition system is an acquisition unit which measures and records the test parameters for a dynamic penetrometer. This unit has been developed to replace the old EDAS unit developed when we first began selling compaction control devices. The MSbox unit incorporates all the benefits that contributed to the success of the old system: simplicity, robustness and economy. We have also added an internal clock to date each test, a GPS chip for geolocalisation and a Bluetooth chip to enable wireless data transfer.

The device has an internal battery which allows it to be completely autonomous and independent of the electrical system (whether it exists or not) of the machine on which it is installed. This device can be fitted in place of the old systems.



data processing software

MSlog is software which processes data from constant and variable energy penetrometers. Its new, completely revised version is multi-functional and helps save time in the production of reports. Its flexibility in terms of the presentation of the penetrogram allows the presentation to be customised.

It is delivered with MSbox data acquisition systems (constant energy penetrometer) and with the MS4 data acquisition system (variable energy penetrometer).

The MSlog software can be used on a Windows PC/tablet, it makes it possible to control the transfer of data from a penetrometer with MSbox and MS4 data acquisition systems to a computer. It transforms digital data to a graphic representation by means of a document that meets the NFP94-063 and/or AF-EN-ISO-22476-2 (function G) and NFP94-105 standards. Supplied with a complete catalogue of soils according to the GTR classification for densification targets q2, q3, q4, q5. It automatically calculates the type of anomaly, allows the output of reports in PDF format and is capable of inserting various documents (photos, plans) into a report.

