

ApaDYN®

General presentation

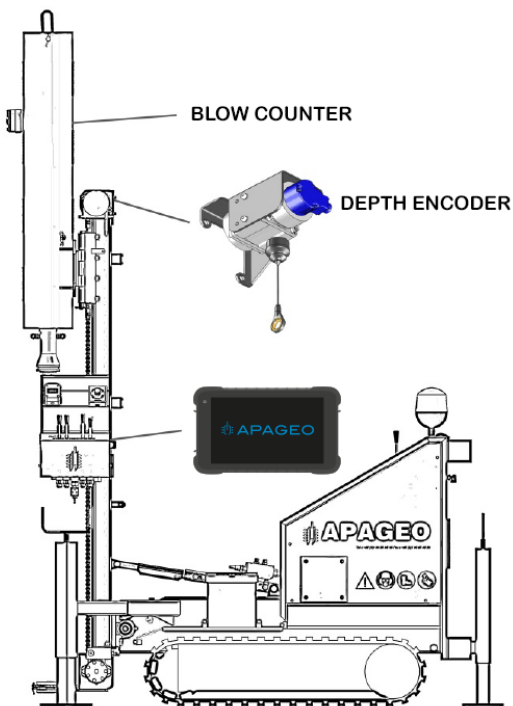
APADYN® allows data acquisition for **dynamic penetrometer** (DPH, DPSH according to the **ISO 22476-2 standard**), **SPT** according to the **ISO 22476-3 standard**, as well as **control of trench or platform compaction** (according to the **NF P 94-063 standard**).

The whole system works through the junction box mounted on your penetrometer, communicating by WIFI with GeoBOX®, the central unit for soil investigation.

For control of compaction, the hammering system on Apafor® has been approved by a certification **CER 100 GR0032** (public center for road equipment studies), for densification aim.

The **APADYN®** system is implemented on your equipment (APAFOR® 100 and hammering system suitable on APAFOR®), so it can **immediately operate** and makes you **gain precious time** for penetrometric records. Data treatment is also simplified thanks to **WIFI centralization** on GeoBOX®.

Thanks to blow counter and the extremely sturdy depth encoder, results offer an optimal precision.



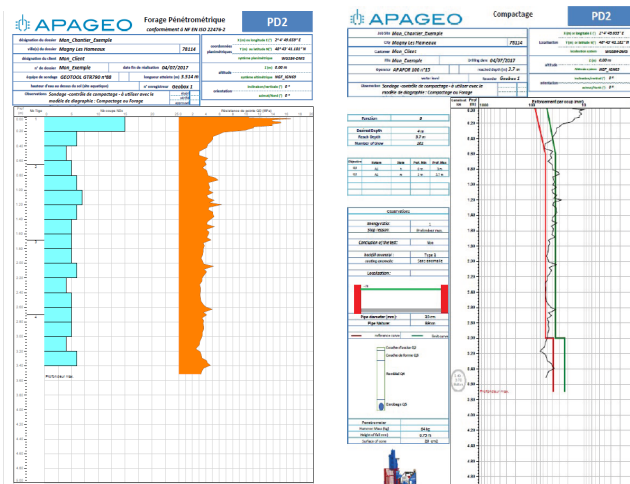
APADYN® is made of :



- A stroke counter sensor integrated into the penetrometer. The GeoBOX central unit and its accessories are supplied separately.
- Junction box mounted on the penetrometer, communicating with GeoBOX® via wifi.
- New depth encoder : penetration rate/depth sensor, compact and very sturdy.

APADYN® records the following parameters :

- Blows number or dip per blow
- Depth aimed and reached
- Compaction envelope
- Pipe position
- Location of survey points
- Rods diameters
- Etc...



Implementation

- 1 Start the dynamic penetrometer and launch the data acquisition on **GeoBOX®**
- 2 Follow curves in real time on **GeoBOX®** :
 - Dynamic penetrometer and/or
 - Control of trench / platform compaction



- 3 Print or save the results on a USB key. Forward data to the office via 4G (optional).



Specificity of control of trench or platform compaction

According to the **NF P 94-063 standard**, records are realized following the GTR classification. During the test, GeoBOX® displays penetrogramm with limit and reference lines simultaneously. At the end of the test, it informs about the conformity of the test, in accordance with the anomaly detection rules defined in the standard. Sounding information is also displayed on Geobox® (blow number, depth, rods number, sounding references etc...).

Compaction control compatible with all our Apafor®, Socomafor, and Geotool

(GV) Test treatment

Data transfer and process on the software GeoVISION® via USB key or 4G system (option).