PAGANI

GEOTECHNICAL EQUIPMENT

PENETROMETER TG73-200

Static and/or dynamic tests in one equipment.

Pagani Geotechnical Equipment
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Static and/or dynamic tests in one equipment.

The penetrometer TG73-200 can be configured by request for dynamic penetrometric tests (DP), static penetrometric tests (CPT), or both.

As for dynamic tests, depending on the soils mainly examined, the penetrometer can be equipped with different beating systems (Super heavy DPSH, Heavy – DPH or Medium – DPM). It allows also to take adjusted or limited trouble samples which enable a better interpretation of the measurements.

The TG73-200 stand out for its very high power efficiency (78%).

Verticality is guaranteed during penetration of the rods and of any further casing tube.

It reduces tests' time thanks to the possibility of pushing rods and casing tubes simultaneously.

It has an anchoring system that uses two telescopic augers fastened to the mast that reduce drastically the positioning time and the negative forces transmitted to the frame.

The penetrometer TG73-200 with its hydraulic powered tracks, can manage even tilted surfaces, and, thanks to its three hydraulic stabilizers and adjustable mast, can easily be positioned in a perfect vertical position.

The TG73-200 is a highly flexible machine, which has the prerogative to require only one person to be operated.

Static penetrometric tests can be performed with a mechanical cone and manual acquisition (CPT), which represent the standard configuration, or by means of different cones (optional) such as the piezocone (CPTU) or the seismic piezocone (S-CPTU) which allow a more reliable stratigraphic identification and the determination of the shear wave speed profile (Vs).

The static/dynamic mode allows the achievement of information along vertical lines made up of soils with different mechanical characteristics (from very soft to very hard and compact soil). Going beyond very hard layers is possible thanks to a rotary head (optional) which enables the drilling of pre-holes.

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