

Oryx-125

Down-hole CPT & Soil Sampling System

Geomil
equipment

*World's first manufacturer
of CPT equipment*



The Geomil Equipment Oryx-125 is a unique, versatile and fully integrated onshore Cone Penetration Testing (CPT) and sampling system for downhole use. It is a cost effective add-on designed to be combined with core barrel drilling methods.

The standard version of the Oryx-125 system is designed for depths up to 200 m and is available for various drill pipe systems. The Oryx-125 is deployed as a wireline tool.

With the Oryx-125 CPT and soil sampling can be conducted intermittently over desired sections. Upon completion of a CPT or soil sampling, drilling can be continued to the next test depth where the CPT or sampling cycle is repeated until the final investigation depth is reached.

The CPT data are stored inside the Oryx tool and can be downloaded once the Oryx-125 has been retrieved to surface with the spear head fishing tool.

The Oryx-125 ensures high efficiency and a repeatable quality of test results up to a maximum thrust force of 125 kN.

A complete Oryx-125 system consists of:

- Oryx-CPT, the tool to perform CPT tests with a stroke of 1.50 m and compatible with either 5 or 10 cm² cones
- Oryx-PST, the piston sampler tool, for high quality sampling in soft soil conditions ($\varnothing = 3''$ or 85 mm, L = 1.00 m)
- Oryx-PSH, the push sampler tool, suitable for simple Shelby sampling where the Oryx-PST would be too delicate ($\varnothing = 3''$ or 100 mm, L = 1.00 m)
- Oryx-HPWP, high pressure water pump
- Oryx data control box
- Spear head device
- Borehole seal plug

Suitable drill systems and sizes:

- API 6 $\frac{5}{8}''$ FH
- Geobor S (or equivalent)
- API 4 $\frac{1}{2}''$ IF (Oryx-90, max. 90 kN)

Alternative sizes can be accommodated when technically feasible.

For more technical information or a quotation based on your specific requirements please contact sales@geomil.com or call us at +31 172 427 800.



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