

FOX-200

Stand Alone Penetrometer Pusher

The Geomil FOX-200 Stand Alone Penetrometer is a versatile unit designed to be used in a wide range of applications. It has a max. push capacity of 200kN. The design provides full protection of the hydraulic cylinders by two protecting covers. As such it eliminates the risk of damaging the cylinder pistons which in turn could lead to hydraulic leakage

The solid push-/pull bridge, connecting the protection covers, allows for using all Geomil push-/pull clamps for electrical CPT(U) as well as measuring heads for mechanical CPT.

The hydraulic catching clamp, integrated in the sounding beam, forms a must for over water operations or when doing soundings in very weak soils.

Detachable mounting supports allow for placing the penetrometer on any base, varying from a steel skid to a truck platform, or an excavator to a jack-up platform or barge.

The FOX-200 is hydraulically powered by a separate power-pack, driven by a Hatz Silentpack Diesel engine. The complete unit is built-in in a framework, providing a robust unit allowing easy transport by crane or forklift. Penetrometer and power-pack are connected by a set of flexible hydraulic hoses with quick-couplings.

Hydraulic Penetrometer

- Two vertical hydraulic cylinders, stroke 1 350 mm
- Hydraulic control unit, mounted on a console
- Guiding tube assembly with locking snappers
- Maximum 200 kN pushing force, 260 kN pulling force
- 20 mm / sec calibrated speed for CPT testing
- 105 mm / sec max. upward unloaded speed; 145 mm / sec max. downward unloaded speed
- Hydraulic catching clamp integrated in sounding beam
- Dimensions: 2 490 x 650 x 1 290 mm (H x W x L); Weight: ~ 510 kg

Hydraulic Power-pack

- Driven by Hatz Silentpack 1-cylinder diesel engine of 9.5 kW at 2800 RPM
- Hydraulic tank
- Axial piston pump with power regulator (min. 14 l/m - max. 78 l/m)
- Electrically started by means of 12 V / 60 Ah battery
- Fuel tank of 21 litre volume
- The unit is built in a framework on 4 shock absorbers
- Dimensions: 980 x 800 x 1 670 mm (H x W x L); Weight (w/o fuel): ~ 540 kg

Tube rack trolley

- 9 layers with swivel arms for five sounding tubes each
- No trays to be removed or stored
- Detachable wheel-set and towing handle



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