

Cone Penetrometer R200



Description

The Roson 200 can be operated in water depths up to 1000m, in standard form. The Icone is driven into the seabed at a constant rate of 2cm/s with a max push and pull force of 200kN.

The management of the power data umbilical is via fully automated constant tension winch, this ensures the cable is managed safely at all water depths, and improves the operational efficiency of the launch and recovery sequence.

The R200 is modular and the total weight of the unit can be adjusted from 10-30t to ensure the unit can be deployed from vessels with different lifting capabilities, or have the weight reduced should the seabed conditions dictate. A mud skirt can be added to reduce any sinkage and ensuring the cone remains unloaded before the start of the CPT test.

The R200 is unique the seismic system is integrated into the R200 Subsea frame containing three accelerometers to receive left, right and compression waves.

Specifications

- 200kN Max Push Force
- 10cm² or 15cm² Icones - measuring
Cone end resistance(qc)
local friction (fs), pore water
pressure(u)
- Weight = 10-30t
- Dedicated DNV Control Container
- Max Penetration with fixed mast = 10m
- Max Penetration with 'over side
platform' = 50m
- Power Requirements = 3pH 63A 415V
- Dimensions = 3500 x 3500 x 4471mm
- Seismic Modules with three
accelerometers to receive left & right
shear waves as well as compression
waves.
- 2 x Seismic Modules spaced 0.5m & 1m
mounted behind the cone to increase
accuracy.



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