

Product Name :
200kN Static Cone Penetration Machine

Product Code :
CHINAELABC2690176



Description :

Static Cone Penetration Test - 200kN Static Cone Penetration Machine

Technical Specification :

The 200 kN Static Cone Penetration Machine field of Geotechnical Engineering. It is powered by a 12.5 H.P. air cooled diesel engine. The frame of the machine is made as light as possible, but strong enough to resist the stress developed due to penetration and withdrawal of sounding tubes. The drive head consists of two long stroke double acting hydraulic rams supported by two guide columns. Pressure is exerted onto the tubes and rods through the measuring head fixed with two high and low load gauges.

An automatic pressure cut off valve is provided which automatically cuts low pressure gauge the moment pressure exceed 120 kg/sqcm. Measuring device is provided for both cone pressure and total pressure while driving the standard cone of 600 with base area of 10 cm² and friction jacket at a constant rate as per Indian Standard 4968 (Part – III). All components are mounted on a single axle steel trailer frame on pneumatic wheels with built in truss for anchoring it through number of ground anchors for reaction as required under field conditions. It is provided with telescopic legs with inbuilt provisions for leveling the unit before tests.

Technical specifications

Max. Pushing force : 200 kN

Max. pulling force : 220 kN

Drive : 12.5 HP Diesel Engine

Low: 0-160 kg/cm²

High: 0-600 kg/cm²

Penetration Speed: 10-15 mm/sec as per ISI 4968 (Part III)



Engineering Lab China