

**Product Name :**  
Heavy Duty Cone Penetrometer Motorized Spt

**Product Code :**  
TEST5176RFQLAB-0030



**Description :**

Heavy Duty Cone Penetrometer Motorized Spt

**Technical Specification :**

**Heavy Duty Cone Penetrometer (Motorized SPT)**

The Standard Penetration Test, or SPT, is the most widely used in-situ test throughout the world, as an indicator of the density and compressibility of granular soils. It is also commonly used to check the consistency of stiff or stony cohesive soils and weak rocks. Estimation of the liquefaction potential of saturated granular soils for earthquake design is often based on these tests. Available design methods for both shallow and deep foundations rely heavily on SPT results.

The test consists of driving a standard 50-mm outside diameter thickwalled sampler into soil at the bottom of a borehole, using repeated blows of a 63.5 kg hammer falling through 760 mm. The SPT N value is the number of blows required to achieve a penetration of 300 mm, after an initial seating drive of 150 mm.

Hammer mass 63.5kg

Falling Distance 760mm

Probe head diameter 74mm

Probe rod diameter 42mm

Hammer speed

Automatic Trip Hammer

15 -30 blows per min

Tripod stand : 5m Complete with pulley string arrangement

Accessories:

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SPT AW/BW rod 1.5m long with adaptor 3 number  
Split spoon sampler 60cm long with shoes 4 number  
Drilling rod holder (Tiller)  
Hoisting Plug (AW or BW) 2 number  
Pipe wrench  
Chain wrench  
Drill rods 3 meters 15 number



**Testing lab instruments India**