

SAMPLING AND EVALUATION

S050

Lightweight dynamic penetrometer

STANDARD: DIN 4094

Used to establish the thickness of different strata, when testing compaction works and to determine the relative density of fills and naturally deposited non-cohesive soils.

In general if the ground is not too compact, penetration tests can be carried of about 8 to 12 metres.

The penetrometer set consists of:

10 Kg. drop rammer, 500 mm. fall and anvil

11 sounding rod Ø 22 mm. x 1 m. length complete with threaded collar and guiding rod

Grooved rod to extract samples

2 drive point 90°, 5 cm² and 10 cm² surface

Lifting device for sounding rod, accessories

Carrying case

Dimensions: 1080x360x220 mm

Weight: 72 Kg



S050

S057

Field inspection pocket vane tester

STANDARD: ASTM D 2573

Used to determine the shear strength of undrained (CU) cohesive soft soils, to firm non-fissured soils on site.

The instrument consists of a T-handle cylindrical body where a torsional spring is housed, and three interchangeable vanes of different sizes, used depending to the expected strength of the soil to be tested.

The vane is inserted into the soil for 60 mm approx., and the max. torque value is measured on a collar attached to the shaft.

Measuring range: 0 - 200 kPa

The unit, all stainless steel made, is supplied complete with three vanes dimensions (dia. x height) 16x32, 20x40, 25,4x50,8 mm, extension rod 500 mm long, tools, carrying case.

Dimensions: 500 x 300 x 100 mm

Weight : 4 kg approx.

ACCESSORY / SPARE:

S057-01 Extension rod, 500 mm long



S057

section S



300



S053

S053-04

S054

S053

**Soil sampler
38 mm dia**

Used to obtain indisturbed soil samples of dia. 1 1/2" (38 mm)

The sampler is formed by:

T handle with extension rod, 900 mm long

Jarring link 3/4"

Stainless sample tube dia. 1 1/2" x 9" (38x230 mm)

Weight: 7 Kg

ACCESSORY AND SPARE-PART:

S054

Hand extruder used to extrude the soil specimens dia. 1 1/2" from the sample tube.

S053-04

Spare stainless sample tube dia. 1 1/2 x 9"

