SOIL PENETROMETERS

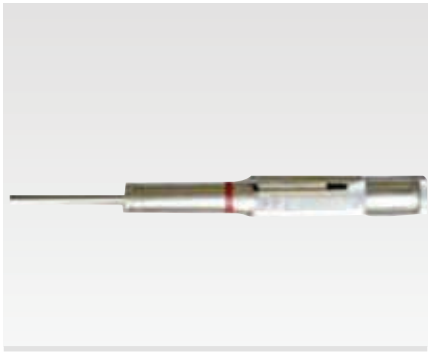
HS10.95

Pocket Penetrometer

The pocket penetrometer is regarded as a simple tool to aid the engineers in field exploration and in checking and comparing similar types of soil, but it can never be used to obtain foundation design data.

This light weight penetrometer is used in the field for classifying cohesive soils in terms of consistency and estimation of approximate unconfined compressive strength and shear strength.

In operation, the stainless steel cylindrical tip of 0.31 cm^2 area is pushed into soil so as to penetrate up to 6 mm marked point. A cursor on the scale reads directly unconfined compressive strength in kg/cm^2.



HS10.95

HS10.100

Proctor Penetrometer, Spring Type

Designed for use in the field for controlling soil compaction by initial calibration from laboratory tests for moisture density relationship. The instrument consists of a barrel housing a spring.

A piston compresses the spring and the piston rod is calibrated upto 40 kg in 1 kg divisions.

Two penetration stems which can be attached to the other end of the spring barrel, one at a time, to suit the needle point being used, are graduated in 1.25 cm divisions.

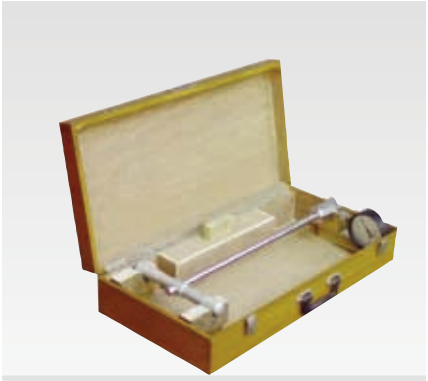
Supplied with eight needles of 6.0, 5.0, 3.0, 2.0, 1.5, 1.0, 0.5 and 0.25 cm^2 area. Complete in a wooden box.

HS10.100

HS10.105

Proctor Penetrometer, Hydraulic type

Same as HS10.100 except that it has a hydraulic system to record load. Calibrated up to 75 kg x 2 kg Divisions. Supplied with 8 needles, complete in a wooden case.



HS10.105

ACCESSORIES:

HS10.100.1 Set of eight needles.