

## DYNAMIC CONE PENETROMETER

STANDARDS: ASTM D6951

This portable hand operated apparatus is used for the rapid in-situ measurement of the structural properties of existing road pavements constructed with unbound materials.

The DPC Penetrometer results can be compared and interpreted with CBR (California Bearing Ratio) as per spermental Kleyn 1982 studies.

Continuous measurements can be made down to a depth of approximately 800 mm or, when extension shafts are used, to a recommended maximum depth of 2 m.

Dynamic cone penetrometer, consists of;

Drop sliding hammer 8 kg weight dropping mass trough a height of 575 mm,  
Penetration rod, 2 pcs. 60° cone,  
Anvil with driving rod,  
Segmented lower extension rod,  
Segmented upper extension rod,  
Segmented adaptor for extension rods,  
Bar wrench,  
Spanners, Tommy bar, Steel Ruler,  
All contained in a wooden carrying case.

### Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S6000	Dynamic Cone Penetrometer	120x35x20	30

### Spare Parts & Accessories:

Product Code	Product Name
HR-S6000/1	Drop sliding hammer 8 kg
HR-S6000/2	Spare 60° cone
HR-S6000/3	Anvil with driving rod
HR-S6000/4	Segmented lower extension rod
HR-S6000/5	Segmented upper extension rod
HR-S6000/6	Segmented adaptor for extension rods



HR-S6000



HR-S6000

## SURFACE SOIL SAMPLERS

STANDARDS: ASTM D2937; CNR No.22; BS 1377:9

Used to take field samples of compacted fill or undisturbed soils and to evaluate density of compaction samples as the ground surface.

Steel made, galvanized against corrosion.

The ASTM/CNR version, two models are available.

Both of Surface Soil Sampler (Core Cutter) Sets (Ø 3" and Ø 4") consists of a drive head, 5 kg drive hammer and a thin wall sampling tube. 5 kg sliding weight drop hammer makes a free-fall on to the driving head which is placed on top of the sampling tube.

The BS version, two models are available.

100 mm Surface Soil Sampler (Core Cutter) Set consists of a driving dolly, 13,5 kg driving rammer and Ø 100 mm x 130 mm high core cutter.

150 mm Surface Soil Sampler (Core Cutter) Set consists of a driving dolly, 16 kg driving rammer and Ø 150 mm x 180 mm high core cutter.



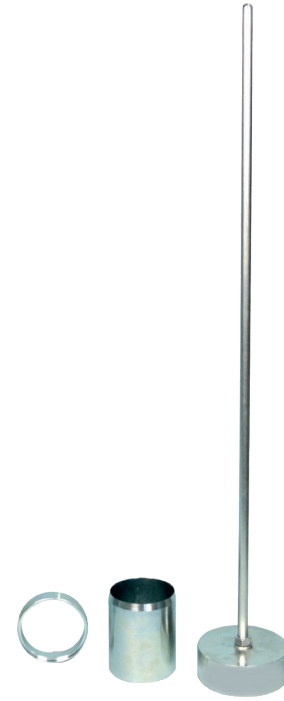
HR-S6130

## Technical Specifications:

Product Code	Product Name	Driving Rammer (kg)
HR-S6110	Surface Soil Sampler Set, Ø 100 mm, BS	10
HR-S6120	Surface Soil Sampler Set, Ø 150 mm, BS	16
HR-S6130	Surface Soil Sampler Set, Ø 3", ASTM/CNR	5
HR-S6140	Surface Soil Sampler Set, Ø 4", ASTM/CNR	5

## Spare Parts & Accessories:

Product Code	Product Name
HR-S6110/1	Sampling Tube Ø 100 mm x 130 mm, BS
HR-S6120/1	Sampling Tube Ø 150 mm x 180 mm, BS
HR-S6130/1	Sampling Tube Ø 3" x 70 mm, ASTM/CNR
HR-S6140/1	Sampling Tube Ø 4" x 127 mm, ASTM/CNR



HR-S6110

## SOIL PROCTOR PENETROMETER

STANDARDS: ASTM D1558

Used to determine in field the moisture-penetration resistance relationship of fine grained soils. Spring load scale 0-55 Kg, in 1 kg subdivisions, with direct maximum value reading in Kg. on the sliding rod.

Complete with 9 interchangeable stainless steel needles Ø 4,52 - 5,23 - 6,40 - 9,07 - 12,83 - 16,54 - 20, 22 - 24,79 - 28,55 mm, accessories, carrying case.

## Technical Specifications:

Product Code	Product Name	Dimensions (mm)	Weight (kg)
HR-S6200	Soil Proctor Penetrometer Set	550X250X80	8

## Spare Parts & Accessories:

Product Code	Product Name	Dimensions (mm)
HR-S6200/1	Interchangeable stainless steel needle	Ø 4,52
HR-S6200/2	Interchangeable stainless steel needle	Ø 5,23
HR-S6200/3	Interchangeable stainless steel needle	Ø 6,40
HR-S6200/4	Interchangeable stainless steel needle	Ø 9,07
HR-S6200/5	Interchangeable stainless steel needle	Ø 12,83
HR-S6200/6	Interchangeable stainless steel needle	Ø 16,54
HR-S6200/7	Interchangeable stainless steel needle	Ø 20,22
HR-S6200/8	Interchangeable stainless steel needle	Ø 24,79
HR-S6200/9	Interchangeable stainless steel needle	Ø 28,55



HR-S6200