



Applications:

The Dynamic Cone Penetrometer (DCP) is an instrument designed for the rapid in-situ measurement of the structural properties of existing road pavements constructed with unbound material.

Features:

- Well proven, robust design
- Portable and easy to operate
- Tests can be carried out in minutes
- Results correlate well with conventional CBR readings
- Detects layer boundaries and thicknesses
- Ideal in locations where access is difficult (such as coal holes)

Equipment detail:

The 8 kg free fall hammer is lifted and dropped through a height of 575mm. The distance of penetration of the cone tip is then recorded and the cycle repeated. Continuous measurements can be made down to a depth of approximately 850mm or when extension shafts are fitted to a maximum recommended depth of 2 meters. Where sub-pavement layers have different strengths, the boundaries can be identified and the thickness determined.

- Power : Manual (Hand Operated)
- Cone diameter : 20 mm
- Cone angle : 60 degrees
- Hammer Weight : 8 Kg
- Hammer freefall height : 575 mm
- Upper steel shaft : 16 mm diameter
- Lower steel shaft : 16 mm diameter
- Length of lower shaft : 900 - 1200 mm long
- Graduation of lower shaft : Marked in 5 mm increment
- Case size approximately : 1100 x 250 x 150mm
- Weight : 29kg
- Overall Dimensions : 1290 X 210 X 225 (L X W X D) mm

The equipment comprises of the following parts and accessories:

- One dropping weight of 8 kg, top with handle.
- 1 meter scale mounted on square pipe
- Penetration rod cone and an anvil.
- Extension Rod (Optional Extra)
- One Copy of Operating Instruction manual with General Assembly Drawing
- Wooden carrying case
- Bar, wrench and spanner accessories

Note: Specifications are subject to change.