

Product Name :
Dynamic Cone Penetration Test Apparatus

Product Code :
LIM-CAT-L0044-00014



Description :

Dynamic Cone Penetration Test Apparatus

Technical Specification :

Dynamic cone penetration test Apparatus

8 kg weight having a drop of 575 mm, fitted to the end of the shaft is a 20 mm diameter cone with complete set
The Dynamic Cone Penetrometer (DCP) is used for rapid in-situ measurement of the structural properties of existing road pavement constructed with unbound materials. The unit incorporates an 8 kg weight having a drop of 575 mm, fitted to the end of the shaft is a 20 mm diameter cone.

With the standard DCP measurements can be made down to a depth of 850 mm. Readings are usually taken after a set number of blows, changing the number according to the strength of the layer being penetrated. For good granular bases, readings every 5 - 10 blows are satisfactory, but for weaker sub-base layers and subgrades, readings every 1 - 2 blows may be appropriate.

The DCP requires three operators, one to hold the instrument in a vertical position, one to raise the hammer and let it fall and one to record the results. A typical test takes only a few minutes, providing a very efficient method of obtaining information which would otherwise require the excavation of test pits. Where pavement layers have different strengths, boundaries can be identified and layer thickness determined.

Laboratory instruments manufacturers India

