



PRODUCT CODE

NT-S5900 Dynamic Cone Penetrometer Test Set (DCP)

STANDARDS

ASTM D2435 ASTM D3877 ASTM D4546 AASHTO T216 BS 1377:5 UNE 103-602 UNI EN ISO 17892-5

SPECIFICATIONS

The dynamic cone penetrometer (DCP) is a portable, fast and cost-effective manually operated tool for in-place testing of fine-grained soils, pavement base courses, sub-bases, and soil subgrade layers. The test is performed by dropping the 8 kg hammer from a height of 575 mm, the DCP drives a 60° cone into the soil, measuring penetration resistance per blow. This data correlates with soil strength parameters such as CBR (as per sperimental Kleyn 1982 studies.) and allows for quick identification of weak zones or inconsistencies in compaction



The equipment consists of:

- 8 kg Hammer,
- Penetration Bar,
- 2 pcs. 60° Conical Tips,
- Metal Plate for Ruler Attachment,
- Ruler Reading Plate
- Anvil,
- Extension Rod (430 mm),
- Extension Rod (994 mm),
- Wrench, 13 mm and 17 mm,
- Adhesive,
- Steel Ruler, and
- Wooden Carrying Case.