

Product Code

UTS-0095 TRL Dynamic Cone Penetrometer (DCP)

Standards

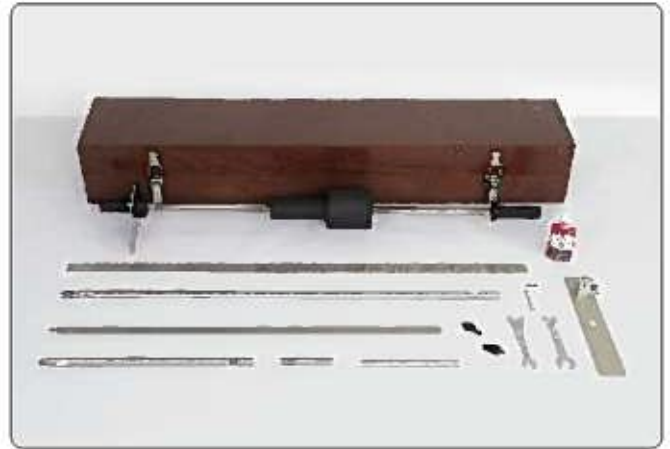
ASTM D 6951

The UTS-0095 TRL Dynamic Cone Penetrometer is used for the rapid, in situ measurement of structural properties of existing road pavement constructed with unbound materials.

The design of the DCP is similar to that described by Kleyn, Maree and Savage (1982); it incorporates an 8 kg weight dropping through a height of 575 mm and 60° cone having a diameter of 20 mm. with the standard DCP measurements can be made down to a depth of approximately 850 mm or when extension shafts are used to a recommended maximum depth of 2 m.

Readings are usually taken after a set number of blows, changing the number according to the strength of the layer being penetrated. A typical test takes only a few minutes, therefore the instrument provides a very efficient method of obtaining information that would normally require the digging of test pits.

The penetration hammer assembly consists of 8 kg hammer, hammer shaft, anvil with plastic plate coupling for ruler and handle.



The TRL Dynamic Cone Penetrometer is supplied complete with:

- A hammer assembly,
- Penetration rod,
- 2 piece 60° cone,
- Metal plate coupling for ruler,
- Segmented adaptor for extension rods,
- Segmented upper extension rod,
- Segmented lower extension rod,
- 2 piece 1817 mm AF spanners,
- 3mm AF hex wrench,
- Tommy bar,
- A bottle of adhesive, 100cc,
- Users Manual
- Steel ruler,
- Carrying Case, heavy-duty wooden

Dimensions	220x1200x170 mm
Weight (approx.)	24 kg