

DCP - DYNAMIC CONE PENETROMETER - TRL

This apparatus, originally developed by the TRL-UK Transport Research Laboratory, has been designed under licence from TRL for the rapid in-situ measurement of the structural properties of existing road pavements constructed with unbound materials. Continuous 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. Where pavements layers have different strengths the boundaries can be identified and the thickness of the layers determined. Correlation's have been established in earlier work (Van Vuuren, Klein and Van Herden, Smith and Pratt) between the TRL penetrometer and CBR (California Bearing Ratio) so that results can be interpreted and compared with CBR specifications.



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SPECIFICATION

The 16-T0012/A penetrometer includes:

- 8 kg weight dropping mass through a height of 575 mm
- Anvil with driving rod
- Penetration rod with 60°, 20 mm dia. cone
- Spanners, Tommy bar, bottle of adhesive

All contained in a carrying case.

- Case dimensions: 1200x350x200 mm approx.
- Weight approx.: 30 kg

STANDARDS

- ASTM D6951

ACCESSORIES

16-T0012/1

Spare 60° cone

16-T0012/10

Spare Clevis block for TRL dynamic cone penetrometer model 16-T0012/A

16-T0012/14

4.6 kg Dropping Weight for TRL Dynamic Cone Penetrometer to ASTM D6951 model 16-T0012/A

16-T0012/2

M16/M12 Adaptor

16-T0012/3

Lower shaft for 16-T0012/A penetrometer used for extensions application

16-T0012/4

400 mm extension.

16-T0012/5

Spare anvil coupling

16-T0012/6

Handle guard

16-T0012/7

Handle for 16-T0012/A

16-T0012/8

Hammer shaft for 16-T0012/A

16-T0012/9

Standard shaft for 16-T0012/A

ORDERING CODE

16-T0012/A

TRL Dynamic Cone Penetrometer