



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

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This wishlist was generated on 16/04/2016, and contains the following Products:

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24-0540

**Cone Penetrometer. Complete with Stainless Steel Test Cone.**

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29-3720

**Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).**

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## Cone Penetrometer. Complete with Stainless Steel Test Cone.

Code: [24-0540](#)

Product Group: [Cone Penetrometer](#), [Cone Penetrometer Method](#)

Bench mounted apparatus to determine the liquid limit of soils BS1377. This method is applicable to a wide range of soils. The apparatus is fitted with a 150mm diameter dial indicator for direct reading of penetration. Supplied complete with 30deg, 30mm long test cone. Manufactured from stainless steel and includes adjustable levelling feet.

## Standards

BS 1377, EN 1997-2

## Specification

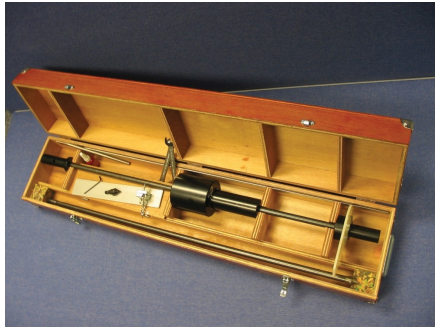
|                   |  |
|-------------------|--|
| Dial Indicator    | 150 mm diameter graduated in 400 x 0.1 mm divisions, indicator point incorporates friction/gear system |
| Height Adjustment | Rapid, using integral clamping mechanism   |
| Cone release      | Manual   |
| Cone              | 1 x 30°, 35 mm test cone included  |
| Base              | Cast aluminium, adjustable levelling feet  |
| Weight kg         | 6  |
| Dial Indicator    | 150 mm diameter graduated in 400 x 0.1 mm divisions. Indicator incorporates a friction/gear system.    |
| Height            | Adjustable using rapid integral clamping mechanism.  |
| Cone Release      | Manual.  |
| Cone              | 1 x 30°, 35 mm test cone included.   |
| Base              | Cast aluminum with adjustable leveling feet.   |
| Weight            | Net 17 lbs. (7.27 kg).   |

## Spares/Consumables



## Penetration Test Cone

Code: [24-0544](#)



## Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).

Code: [29-3720](#)

Product Group: [In-situ Testing](#)

The TRL (Transport Research Laboratory) 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 with a drop of 575 mm, and a 20 mm diameter cone fitted to the end of the shaft, allowing measurements to be made down to a depth of approximately 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 five to ten blows are satisfactory, but for weaker sub-base layers and subgrades, readings every one to two 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.

### Further Information

Supplied complete with all necessary tools, assembly and operating instructions.

### Spares/Consumables



#### Spare Cone for Dynamic Cone Penetrometer.

Code: [29-3720/10](#)