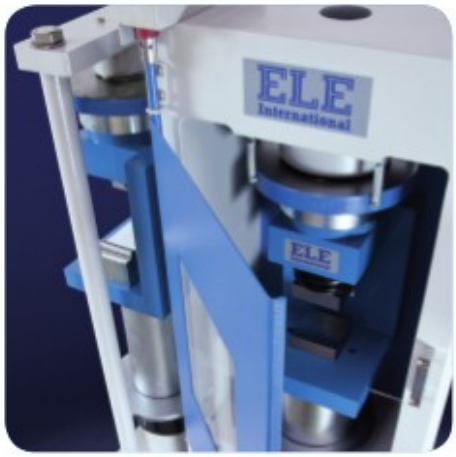
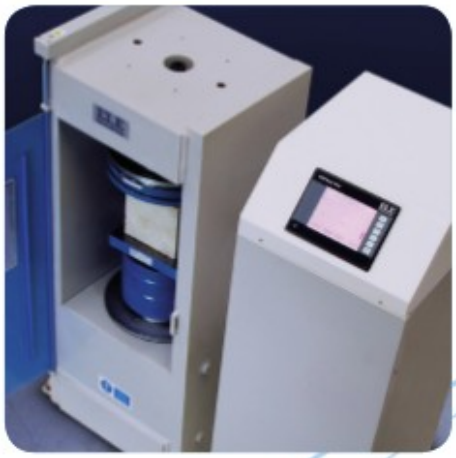




ELE INTERNATIONAL




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

www.ele.com

# Contents



This wishlist was generated on 06/11/2019, and contains the following Products:

## 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

## Standard Concrete Test Hammer

Code: 35-1480

Product Group: Concrete Test Hammer, Surface Hardness

The hammer is intended for testing the quality of concrete in finished structures such as buildings and bridges. Supplied complete with carrying case and carborundum stone, the hammer is suitable for testing concrete with compressive strengths of 10 to 70 N/mm2.

### Standards

ASTM C805

### Specification

| | |
|---|---|
| Body | Includes indicator scale, calibration curves. |
| Calibration Curves | Rebound number vs. compressive strength. |
| Rubbing Stone | Prepares test surface. |
| Accuracy | Within 15 %. |
| Carrying Case | Plastic. |
| Weight | Net 3 lbs. (1.4 kg). |

## Accessories

### Testing Anvil

Code: 35-1530

## Spares/Consumables

### Rubbing Stone

Code: 35-1475/10

## Alternatives

## Concrete Test Hammer - English

Code: 35-1475

## Advanced Cover Meter

Code: 35-2304/09
Product Group: Rebar Detection, Surface Hardness

Advanced cover meter based on the new generation touchscreen with universal probe and scan cart. An enhanced correction factor for maximum cover accuracy on congested rebar arrangements. Dedicated functionalities for mapping concrete cover and for reporting any 2D rectangular rebar arrangement.

Highest cover measurement accuracy ever through Artificial Intelligence (AI) feature.

Full 2D rebar visualisation with detailed cover, rebar size and spacing data for fast reporting.

Applications include: locate rebars before drilling, cutting and coring, spot check of cover and rebar size, measurements on rough surfaces with scan cart, measuring wide areas over long distances, conformity check of new buildings, fire resistance assessment, investigation on unknown structures and complete imaging of rebar geometry.

## Specification

| | |
|---|---|
| Cover measuring range | Up to 185 mm |
| Cover measuring accuracy | ± 1 to 4 mm, depending on cover |
| Path measuring accuracy on smooth surface | 0.5 to 1.0 % of measured length |
| Diameter measuring range | Up to 63 mm |
| Diameter measuring accuracy | ± 1 rebar size |