



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

# Contents

www.ele.com  
+44 (0) 01525 249 200



This wishlist was generated on 07/04/2016, and contains the following Products:

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24-9090/01

**Automatic Soil Compactor BS 220-240V 50Hz 1Ph.**

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24-9066

**ASTM Compaction Mould 152mm.**

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27-1300/01

**DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz**

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24-9150/01

**Cbr-Test 50 Machine 50kN Capacity BS and ASTM Supplied with Stabilising Bar.**

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27-1559

**50kN S-type Load Cell**

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29-3720

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

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## Automatic Soil Compactor BS 220-240V 50Hz 1Ph.

Code: [24-9090/01](#)

Product Group: [Automatic Compactors](#)

Preset blow pattern ensures an even compaction, includes solid state controls for reliability and maintenance. An automatic digital counter resets to zero on the completion of a test. An adjustable rammer with a drop height of 300-450mm, an adjustable rammer weight of 2.5-4-5kg. A preset number of blows per layer can be set by thumb wheel control. A compaction rate of approximately 26 blows per minute. Accepts BS Standard Compaction and CBR moulds; also meets the requirements of BS1377. Voltage 220-240v ac 50/60hz 1ph.

## Standards

BS 1377, EN 1997-2, EN 1924

## Specification

Dimensions (l x w x h)	430 x 240 x 1400 mm
Rammer BS/EN	Circular faced, 50 mm dia, adjustable to 2.5 kg or 4.5 kg weight.
Rammer ASTM	Circular faced, 2 in (50.8 mm) dia, adjustable to 5.5 lb (2.5 kg) or 10 lb (4.5 kg) weight.
Drop BS/EN	Adjustable to 300 mm or 450 mm
Drop ASTM	Adjustable to 12 in (305 mm) or 18 in (457 mm)
Weight kg	98



## ASTM Compaction Mould 152mm.

Code: 24-9066

Product Group: ASTM/Modified Proctor compaction,  
Accessories for ASTM and Proctor compaction

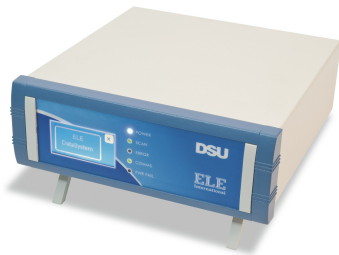
152mm inside diameter

## Standards

ASTM D698, ASTM D1557, AASHTO T99, AASHTO T180

## Specification

Dimensions	152.4 mm dia x 116.4 mm high
Rammer Mould Volume	1/13.33 ft <sup>3</sup>
Construction	All steel, threaded studs with wing nuts, plated.
Weight	8.2 kg



## DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

Code: [27-1300/01](#)

Product Group: [Electronic Instrumentation, Data Logging with the DSU, Data Logging with the DSU](#)

- Download the full brochure here [\[../../../../Page/the-new-dsu\]](#)
- 4 channel automatic control and data-logging unit
- Automatic, dual-frame control
- Performs CBR, Marshall, Unconfined Compression, Direct and Residual Shear, One-Dimensional Consolidation, Unconfined Undrained, Consolidated Drained and Unconsolidated Drained tests
- LAN connection - software can be running anywhere on your server
- Never lose data from power fails - 2 gigabytes of non-volatile memory
- Extended warranty

The Data System Unit (DSU) is a versatile instrument designed to accommodate the general logging requirements of geotechnical and materials testing engineers. Its intelligent interface allows the user to work with a range of different sensors.

### Further Information

Become a member of the ELE International web site, add this new product to a wishlist to receive a quote! Click here [\[../../../../Login\]](#)

Please note that this product is not yet available in the USA, we will let you know as soon as it is ready!



## Cbr-Test 50 Machine 50kN Capacity BS and ASTM Supplied with Stabilising Bar.

Code: [24-9150/01](#)

Product Group: [Load frames](#)

- Single speed machine (BS/EN and ASTM)
- Rapid platen adjustment
- Complete with stabilising bar
- Compact, bench-mounting design
- Options for mechanical or electronic measurement

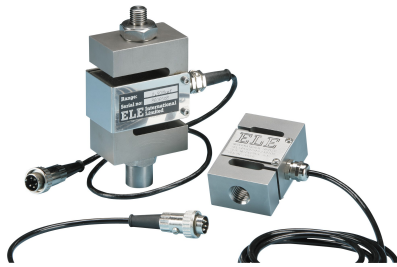
Designed for performing laboratory CBR tests to BS 1377, EN13286-47 and ASTM D1883, this bench mounting machine comprises a twin column frame incorporating a motorised drive system. Rapid adjustment of the platen is provided, which enables daylight to be taken up quickly and also close control of application of a seating load.

## Standards

BS 1377, BS 1924, EN 13286-47, ASTM D1883, AASHTO T193

## Specification

Dimensions (l x w x h)	550 x 400 x 1220 mm
Max vertical clearance	800 mm
Horizontal clearance	255 mm
Platen diameter	133 mm
Platen travel	105 mm
Weight kg	80



## 50kN S-type Load Cell

Code: [27-1559](#)

Product Group: [Force measurement, Load Measurement, Electronic Instrumentation](#)

Maximum working capacity of 50 kN and excitation 10 V ac/dc with an output of 2.7 mV/V nominal. Aluminium alloy and stainless steel construction with IP65 environmental protection.

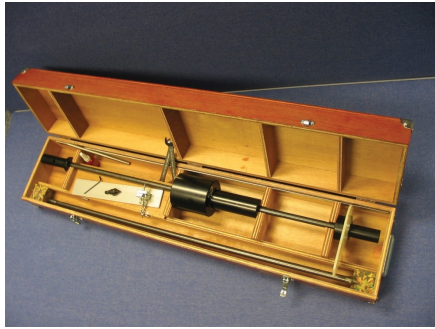
## Standards

EN 12697-34

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***





## 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](#)