



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

This wishlist was generated on 13/09/2017, and contains the following Products:

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24-9238

**ASTM Spacing Disc.**

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24-9240

**Filter Screen 150mm Dia with 0.15mm Mesh.**

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24-9243

**4.5Kg Annular Surcharge Weight ASTM.**

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24-9244

**5Lb (2.27Kg) Split Surcharge Weight.**

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24-9250

**Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.**

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24-9260

**Swell Plate**

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24-9262

**Swell Stand**

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27-1300/01

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

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27-1559

**50kN S-type Load Cell**

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**CBR Penetration Transducer 50mm Travel Fitted with 5 Pin Din Plug.**

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27-1798

**DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7, 32/64 bit**

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24-9236

**ASTM Cutting Collar.**

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24-9095/01

**Automatic Soils Compactor ASTM 220-240V 50Hz 1Ph.**

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24-9060

**Proctor Mould**

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24-9066

**ASTM Compaction Mould 152mm.**

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29-3800

**Plate Bearing Apparatus Complete. 500kN Capacity**

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25-0580

**Constant Head Permeability Cell 75mm Diameter Specimen.**

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25-0591

**Manometer Tubes & Stand.**

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25-0593

**Constant Level Tank.**

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**Falling Head Permeability Cell.**

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**Compaction Permeameter.**

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**Standpipe Panel.**

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25-3700/01

**MultiPlex 50 Load Frame**

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25-3650

**Unconfined Compression Platens. for Use on Ele Load Frames Max Sample Dia 95mm.**

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**Clamped Boss Load Ring - 4.5 kN**

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25-7655

**100 mm Two-Part Split Mould**

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25-7650

**Two-Way Split Former 100mm Diameter.**

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81-0588

**Vernier Caliper Range 0 to 200mm X 0.02mm.**

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45-6460

**Compaction Hammer**

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35-1530

**Testing Anvil**

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35-1500

**Advanced SilverSchmidt Concrete Test Hammer**

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39-0035/01

**Automatic/Manual 5 litre nominal capacity Mortar Mixer**

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24-4125/01

**High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.**

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78-1250/01

**225 Litre Drying Oven**

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78-5405/01

**Electronic Balance - 620 g x 0.001 g**

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82-5420

**Digital Pocket Thermometer**

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78-5456/01

**Electronic Balance - 4600 g x 0.01 g**

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82-5311

**Surface Thermometer**

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82-5246

**Portable Thermometer -20 - +60°C**

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82-0380

**Measuring Cylinder - Glass 100 ml**

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82-0420

**Measuring Cylinder - Glass 250 ml**

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82-0460

**Measuring Cylinder - Glass 500 ml**

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82-0500

**Measuring Cylinder - Glass 1000 ml**

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82-1060

**Volumetric Flask - 1000 ml**

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82-7091

**Silica Gel**

---

82-1970

**Evaporating Dish - 100 x 40 mm**

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82-2000

**Evaporating Dish - 150 x 45 mm**

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82-2010

**Evaporating Dish - 200 x 55 mm**

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## ASTM Spacing Disc.

Code: [24-9238](#)

Product Group: [Spacer Discs, ASTM/AASHTO CBR mould accessories](#)

150.8 mm diameter x 61.4 mm deep.

## Specification

Construction

Steel; machined on all sides.

Finish

Plated.

Weights

Net 18.9 lbs. (8.6 kg).

## Accessories



### ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

## Alternatives



### ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)



## Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)

Product Group: [Filter Screen, ASTM/AASHTO CBR mould accessories](#)

150 mm dia, 150 µm mesh for use with ASTM mould.

## Specification

Mesh	Brass; number 100.
Size	5-15 /16" diam. (135 mm).
Weight	Net 1 oz. (28 g).

## Accessories



## Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.

Code: [24-9250](#)

## Alternatives



## Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.

Code: [24-9250](#)





## 4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)

Product Group: [ASTM/AASHTO CBR mould accessories](#)

## Accessories



## ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

## Alternatives



## ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)





## 5Lb (2.27Kg) Split Surcharge Weight.

Code: [24-9244](#)

Product Group: [ASTM/AASHTO CBR mould accessories](#), [Surcharge Weights](#)

## Specification

Construction  
Finish

Machined steel.  
Plated.

## Accessories



## 5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)

## Alternatives



## 5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



## Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.

Code: [24-9250](#)

Product Group: [Filter Paper, ASTM/AASHTO CBR  
mould accessories](#)

Box of 100.

## Standards

ASTM D1883, AASHTO T193

## Specification

Grade	Coarse.
Size	15 cm diam. (5.9â€³).
Weight	Net 8 oz. (227 g).

## Accessories



### Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)

## Alternatives



### Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)



## Swell Plate

Code: [24-9260](#)

Product Group: [Expansion \(swell\) Test Equipment, Swell Plate](#)

With adjustable stem.

## Standards

ASTM D1883, AASHTO T193

## Specification

Base Plate	5 15/16" diam. (150.8mm); perforated.
Contact Head	Adjustable; locks on stem with knurled nut.
Construction	Aluminium
Weight	Net 2-1/2 lbs. (1.1 kg).



## Swell Stand

Code: [24-9262](#)

Product Group: [Expansion \(swell\) Test Equipment, Tripod Attachment](#)

For mounting Swell Dial Gauge in position on CBR mould collar.

## Standards

ASTM D1883, AASHTO T193

## Further Information

Requires dial indicator; not included, order separately

## Specification

Construction	Machined, one-piece cast aluminum.
Contact Head	Integral part of ssembly; holds dial indicator.
Construction	2" I. (50.8 mm) included.
Weight	Net 1 lb. (0.4 kg).

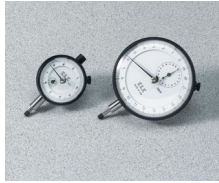
## Accessories



### Mechanical Dial Indicator - 25 mm Range Clockwise Movement

Code: [88-4110](#)

## Spares/Consumables



## Dial Indicator - 1.0" Range

Code: [88-4100](#)

## Alternatives



## Electronic Digital Indicator, 1.0"/25.4 mm range

Code: [88-4220](#)



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

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

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

· Download the full brochure here  
[[/Page/catalogue-download/NTRmZS9UaGUgTkVXIERTVSBVU0EucGRm](#)]

- 4 channel automatic control and data-logging unit
- Automatic, dual-frame control
- Performs CBR, Marshall, Unconfined Compression, Direct and Residual Shear, One-Dimensional Consolidation and Unconsolidated Undrained 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

The DSU has two distinct modes of operation. The first is referred to as DS mode (DataSystem) for operation with ELE International's established DS7 geotechnical testing software.

### DS MODE

- Up to four one dimensional consolidation tests
- Up to two CBR tests
- One direct/residual shear test
- One triaxial quick un-drained test

### DU MODE

- Up to two Marshall tests
- Up to two CBR tests
- Up to two Unconfined compression tests
- Automatic frame control

### OVERVIEW

- Touch Screen data entry for standalone operation, Marshall/CBR/Quick un-drained

- Automatic single and dual frame control (with multiplex 50 frame)
- Log memory of 2 gigabytes
- Non-volatile memory
- Ethernet TCPIP link and serial comms support
- Market leading signal stability
- Certificate and manual calibration features

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

This product is now available in the USA and Canada!

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## Accessories



### Cable, Safety/ID

Code: [27-1300/11](#)



### Dual Frame Comms Cable

Code: [27-1300/10](#)



### PC Cable

Code: [27-1300/12](#)

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## Alternatives



### DSU Electronic Readout and Control System 110 V AC 60 Hz

Code: [27-1300/02](#)





## Marshall Test 50

Code: [45-6810/01](#)



## Marshall Test 50

Code: [45-6810/06](#)



## 50kN S-type Load Cell

Code: [27-1559](#)

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

## Accessories



### Breaking Head (Marshall)

Code: [45-6850](#)



### S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1551](#)

## Alternatives



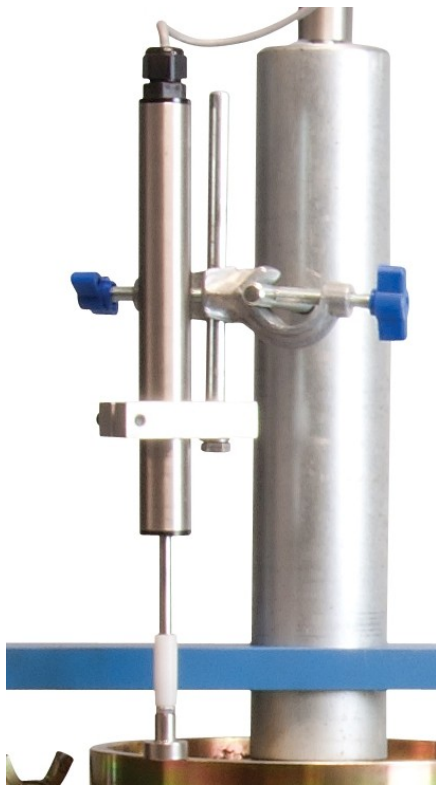
### Breaking Head (Marshall)

Code: [45-6850](#)



## S-Type Load Cell 5 kN. for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1551](#)



## CBR Penetration Transducer 50mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1705](#)

Product Group: [Penetration Measurement](#),  
[Penetration Measurement](#)

- Ideally suited for use with GDU for accurate displacement measurements
- Models available for use in consolidation, shear, CBR and triaxial test applications
- Supplied complete with mounting hardware for specified products

Displacement Transducers are used in consolidation, shear, CBR and triaxial test applications for accurate displacement measurements. They are supplied complete with a 5-pin DIN type connector for direct connection to the GDU.

## Specification

Construction	Fully encapsulated electronics, sealed in a stainless steel case
Excitation	14 V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45



## **DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7, 32/64 bit**

Code: [27-1798](#)

Product Group: [DS7, Automatic Data Acquisition - CBR](#), [DS7.2 CBR Penetration Software](#)

This program provides the classical data for the CBR test. Load and penetration are monitored simultaneously. The program tabulates the results and provides a graphical presentation report.



## ASTM Cutting Collar.

Code: 24-9236

Product Group: ASTM/AASHTO CBR mould accessories, Cutting Edge

To fit ASTM CBR mould body, manufactured with a cutting edge to enable undisturbed samples to be taken in the field.

## Standards

ASTM D1883, AASHTO T193

## Specification

Dimensions	6" i.d. x 1-1/2" h. (152 .4 x 38 mm).
Construction	Machined seamless steel tubing; recessed for mounting on CBR Mold.
Finish	Plated.
Weight	Net 1-1/2 lbs. (0.7 kg).

## Accessories



## ASTM Cbr Mould Complete with Collar & Perferated Base

Code: 24-9228

## Alternatives



## ASTM Cbr Mould Complete with Collar & Perferated Base

Code: 24-9228



## Automatic Soils Compactor ASTM 220-240V 50Hz 1Ph.

Code: [24-9095/01](#)

Product Group: [Automatic Compactors](#), [Automatic Soil Compactor](#)

### Standards

ASTM D558, ASTM D559, ASTM D560, ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180, AASHTO T193

### Specification

Hammer	Circular faced, 2.0" (50.8 mm) dia. foot; selectable to either 5.5 lb.(2.5 kg) or 10 lb. (4.5 kg) weight.
Drop	Adjustable to either 12 " (305 mm) or 18" (457 mm)
Controls	Digital counter system, selector switch for either standard proctor test or modified proctor/CBR testing.
Dimensions	10" w. x 17" d. x 55 " h. (250 x 430 x 1,400 mm).
Weight	Net 41.9 lbs. (190 kg).

### Accessories



## ASTM Compaction Mould 152mm.

Code: [24-9066](#)





## Calibration Kit For Automatic Soil Compactor

Code: [24-9095/12](#)



## Proctor Mould

Code: [24-9060](#)

## Spares/Consumables



## Lead Cylinders

Code: [24-9095/13](#)



## Modified Compaction Mould

Code: [24-9098](#)



## Standard Compaction Mould

Code: [24-9097](#)

## Alternatives



## Automatic Soil Compactor ASTM 110-120V 60Hz 1Ph

Code: [24-9095/02](#)



## Automatic Soils Compactor ASTM 220-240V 60Hz 1Ph.

Code: [24-9095/06](#)



## Proctor Mould

Code: 24-9060

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

## Standards

ASTM D558, ASTM D559, ASTM D560, ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180

## Specification

Dimensions	101.6 mm dia x 116.4 mm high
Rammer Mould Volume	1/30 ft <sup>3</sup>
Construction	All steel, threaded studs with wing nuts, plated.
Weight	5.4 kg



## ASTM Compaction Mould 152mm.

Code: 24-9066

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



## Plate Bearing Apparatus Complete. 500kN Capacity

Code: 29-3800

Product Group: In-situ Testing, Plate Bearing Apparatus

Applications include the determination of bearing capacity of the soil in situ, designing for static loads on spread footings, and repetitive and non-repetitive plate loading tests of soils and flexible pavements.

Manufactured from machined steel plate with a finished thickness exceeding 25 mm. The plate has concentric markings on one face. All plates are supplied with two lifting eyes except for the 150 mm dia plate.

NOTE: to successfully perform the test, a reaction load is required.

IMPORTANT: The equipment is used in conjunction with a reaction beam. This is not supplied with the equipment.

## Standards

BS 1377, EN 1997-3, ASTM D1194, ASTM D1195, ASTM D1196

## Further Information

Comprising of:

- Hydraulic Jack 500 kN capacity
- Pressure system
- Datum bar
- 4x dial gauges 50 mm travel x 0.01 mm divisions
- 4x bearing plates: 150 mm, 305 mm, 455 mm and 760 mm diameter

## Specification

Loading jack	500 kN capacity with integral ball seating
Pump	Hand operated, single speed with integral oil reservoir
Hose	3 m long. Maximum pressure 70 MPa with quick release couplings
Gauge	100 mm dia with quick release couplings and graphs to convert readings to kN, kgf and

# Product Sheet

[www.ele.com](http://www.ele.com)  
+44 (0) 01525 249 200



Weights

lbf  
Loading jack 24 kg.  
Pressure system 12.5 kg



## Constant Head Permeability Cell 75mm Diameter Specimen.

Code: [25-0580](#)

Product Group: [Constant Head Apparatus](#)

75 mm Diameter

## Standards

BS 1377-5

## Specification

Nominal Cell inside diameter	75 mm
Cell wall	Transparent plastic
Take-off points	3
End plates	Anodised aluminium
Weight kg	2.6





## Manometer Tubes & Stand.

Code: [25-0591](#)

Product Group: [Constant Head Apparatus](#)

Comprising three glass tubes of constant bore, metre scale and connecting tubing for cell pressure take-off points, all mounted on a free-standing panel. Comprising three glass tubes of constant bore, metre scale and connecting tubing for cell pressure take-off points, all mounted on a free-standing panel.

## Standards

BS 1377-5



## Constant Level Tank.

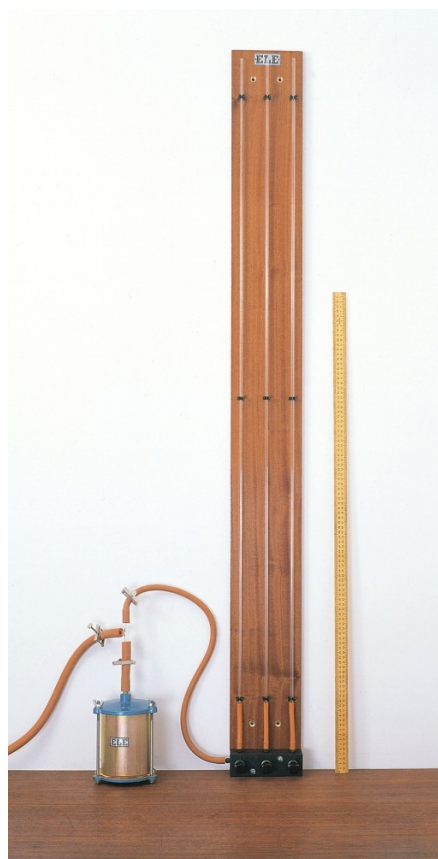
Code: [25-0593](#)

Product Group: [Constant Head Apparatus](#)

Manufactured from transparent plastic with attachment for wall mounting. The inlet, outlet and overflow pipes are fitted to the base of the tank and can be adjusted for height within the tank. Supplied complete with connecting tubing.

## Standards

BS 1377-5



## Falling Head Permeability Cell.

Code: [25-0605](#)

Product Group: [Falling Head Apparatus](#)

## Specification

Cell	Plated seamless tube 100 mm diameter x 130 mm height
Base	Porous plate with three tie rods
Top plate	Machined to accept smaller tubes
Weight kg	3.4



## Compaction Permeameter.

Code: [25-0607](#)

Product Group: [Compaction Permeameter](#)

101.6 mm

## Specification

Mould	Machined seamless steel tubing, plated
Capacity	101.6 x 116.4 mm (inside dia x h) 1/30 ft <sup>3</sup>
Collar	50.8 mm high, machined
Top	Overflow valve assembly and water connection
Base	Cast aluminum, with inlet/outlet fitting
Porous stone	(4") 101.6 x 12.7 mm (diameter x thickness)
Weights	5.4 kg

## Accessories



### De-Airing Tank.

Code: [25-0611](#)



### Soaking Tank.

Code: [25-0613](#)



## Standpipe Panel.

Code: [25-0609](#)



## Standpipe Panel.

Code: [25-0609](#)

Product Group: [Compaction Permeameter](#)

Complete with three glass tubes of 1.5, 3 and 5 mm diameter bore, approximately 1.4 metres long. Supplied with metre scale and thick walled flexible tubing. The glass tubes are fitted to a panel for wall mounting and connected to a 3-way outlet valve. Complete with three glass tubes of 1.5, 3 and 5 mm diameter bore, approximately 1.4 metres long. Supplied with metre scale and thick walled flexible tubing. The glass tubes are fitted to a panel for wall mounting and connected to a 3-way outlet valve.



## De-Airing Tank.

Code: [25-0611](#)

Product Group: [Compaction Permeameter](#)

Manufactured from transparent plastic with de-airing jet inlet and a flow outlet connection with flexible tubing. The tank is manufactured to withstand a reduced pressure and is suitable for direct wall mounting.





## Soaking Tank.

Code: [25-0613](#)

Product Group: [Compaction Permeameter](#)

With fixed overflow. Used for containing permeability cell during test.



## MultiPlex 50 Load Frame

Code: [25-3700/01](#)

Product Group: [Data Logging with the DSU](#), [CBR Load Frames](#), [Marshall Load Frames](#), [Triaxial Load Frames](#), [Data Logging with the DSU](#)

Compact bench mounting load frame designed for performing laboratory CBR, unconfined compression, Quick Undrained Triaxial and Marshall Stability Tests. Has a variable speed of 0.5 to 50.8mm per minute and features rapid approach of platen.

## Standards

EN 12697-34, BS 598, BS 1377, BS 1924, ASTM D1883, EN 12697-23, EN 12697-24, EN 13286-47, AASHTO T193, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297, ASTM D6927

## Further Information

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

## Specification

Dimensions (l x w x h)	550 x 400 x 1470 mm
Max vertical clearance	800 mm
Horizontal clearance	265 mm
Platen diameter	133 mm
Platen travel	100 mm
Platen speed range	0.5 to 50.8 mm/min
Rapid approach speed	40 mm/min
Weight kg	100, (shipping 113 kg)

## Accessories



## 50kN Clamped Boss Load Ring

Code: [78-0860](#)



## 50kN S-type Load Cell

Code: [27-1559](#)



## Bracket and Adaptor. Dual Purpose Mounting Bracket for CBR Penetration Gauges EL24-9184/EL24-9186

Code: [24-9188](#)



## Cbr Penetration Piston (Adjustable).

Code: [24-9183](#)



## CBR Penetration Transducer 50mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1705](#)



## Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



## Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)

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## Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)

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## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)

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## Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)

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## Penetration Dial Gauge BS

Code: [24-9186](#)

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## Penetration Piston

Code: [24-9182](#)

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## Penetration/Swell Dial Gauge ASTM.

Code: [24-9184](#)

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### Alternatives



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

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



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

Code: [24-9150/06](#)



## Digital Tritest 50 Load Frame

Code: [25-3518/01](#)



## Unconfined Compression Platens. for Use on Ele Load Frames Max Sample Dia 95mm.

Code: 25-3650

Product Group: N/A

### Standards

ASTM D2166, AASHTO T208, BS 1377, BS 1924, EN 13286-47, ASTM D1883, AASHTO T193



## Clamped Boss Load Ring - 4.5 kN

Code: 78-0260

Product Group: Clamped Boss Load Rings, Digital Tritest 50 Load Frame, Load Measurement, Load Measurement, Direct/Residual Shear Apparatus, Proving Rings, Load Measurement

### Specification

Capacity: kN, kgf, lbf	4.5, 450, 1000
Typical Design sensitivity: N/div, kgf/div, lbf/div	3.0, 0.30, 0.66
Overall height mm	248
Approx weight kg	3.5
Capacity - lbf	1,000
Capacity - kN	4.5
Capacity - kgf	450
Typical Design Sensitivity - lbf/div	0.66
Typical Design Sensitivity - kN/div	3
Typical Design Sensitivity - Kg/div	0.3
Overall Height	9.76" (248 mm)
Approx Weight	7.7 lbs.(3.5 kg)

### Accessories



## 50kN Clamped Boss Load Ring

Code: 78-0860



## Clamped Boss Load Ring - 10.0 kN

Code: 78-0460



## Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



## Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



## Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: [78-0264](#)

## Spares/Consumables



## Spare Dial Indicator for Load Rings

Code: [78-5461](#)

## Alternatives



## 50kN Clamped Boss Load Ring

Code: [78-0860](#)





## Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



## Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



## Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



## Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: [78-0264](#)



## 100 mm Two-Part Split Mould

Code: [25-7655](#)

Product Group: [Two-Part Split Mould](#)



## Two-Way Split Former 100mm Diameter.

Code: [25-7650](#)

Product Group: [Two-way Split Formers](#), [Two-Way Split Formers](#)

## Accessories



### 1.4" Two-Way Split Formers

Code: [25-4320](#)



### 2.8" Two-Way Split Formers

Code: [25-6680](#)



### Two-Way Split Former 70mm Diameter.

Code: [25-6500](#)

## Alternatives



## 1.4" Two-Way Split Formers

Code: [25-4320](#)



## 2.8" Two-Way Split Formers

Code: [25-6680](#)



## Two-Way Split Former 70mm Diameter.

Code: [25-6500](#)



## Vernier Caliper Range 0 to 200mm X 0.02mm.

Code: [81-0588](#)

Product Group: [Determination of the Shape Index, Linear Shrinkage, Miscellaneous Laboratory Hardware](#)

Vernier callipers 200 x 0.002mm. Graduated in mm and inches.

Gives four types of readings: inside, outside, depth and step. Dual reading scale (metric and inch) with 14° bevelled vernier scale for reduced parallax reading error and knurled locking nut. Manufactured from hardened stainless steel for rigidity. Satin finish.

Conforms to DIN 862.

## Standards

EN 933-4, BS 1377



Compaction Hammer

Code: 45-6460  
Product Group: Manual Compaction, Stability  
Compaction Hammer  
Satisfies BS 598. The hammer has a 4535 g sliding weight with a free fall of 457 mm.

Standards

EN 12697-30, ASTM D6926, AASHTO T245

Specification

Tamping Face	3-7/8" (98 mm) diam.
Hammer	10 lb. (4.54 kg).
Drop	18" (457 mm).
Construction	Machined steel; cast aluminum handle.
Weight	Net 16 lbs. (7.2 kg).



## Testing Anvil

Code: [35-1530](#)

Product Group: [Concrete Test Hammer](#), [Surface Hardness](#), [Testing Anvil](#)

## Standards

ASTM C805



## Advanced SilverSchmidt Concrete Test Hammer

Code: 35-1500

Product Group: Surface Hardness

The SilverSchmidt ST/PC is the first integrated concrete test hammer featuring true rebound value and unmatched repeatability.

Two factors contribute to the improved performance of this concrete test hammer over its predecessors:

- Velocity based detection of the rebound quotient
- The lightweight hybrid design of the impact plunger is made from aerospace alloy, matched to the elastic properties of the concrete and equipped with a hardness steel cap

Independent validation testing by BAM (Federal Institute for Materials Research and Testing, Germany) has shown the SilverSchmidt ST/PC to have less dispersion than the classical concrete test hammer over the entire range.

The unique design and high quality construction of the concrete test hammer SilverSchmidt ST/PC makes rebound hammer testing quicker and more accurate than ever before.

\*NOT AVAILABLE FOR SALE IN THE USA\*

## Further Information

- The SilverSchmidt ST/PC concrete test hammer combines a high measurement accuracy with an unmatched repeatability.
- The rebound value requires no angular correction
- The concrete test hammer offers customer conversion curves for a wide range of compressive concrete strengths, including low  $f_c$  ( $<10$  N/mm<sup>2</sup>, 1'450 psi) and high strength concrete (up to 100 N/mm<sup>2</sup>, 14'500 psi)
- A large number of measurement points can be easily collected by the concrete test hammer and automatically evaluated according to statistical data
- The concrete test hammer offers automatic conversion to the required measurement unit (MPa,





N/mm<sup>2</sup>, kg/cm<sup>2</sup>, psi)

## Specification

Technical Data	Silver Schmidt
Impact Energy	2.207 Nm
Hammer Mass	135 g
Spring Constant	0.79 N/mm
Spring Extension	75 mm (2.95")
Dimensions	55 x 55 x 255 mm (2.16" x 2.16" x 9.84")
Concrete Compressive Strengths	10-100 N/mm <sup>2</sup> (1450-14500 psi)
Weight	570 g (1.4 lb)



## Automatic/Manual 5 litre nominal capacity Mortar Mixer

Code: 39-0035/01

Product Group: Automatic/Manual 5 Litre Nominal Capacity Mortar Mixer

- New Microprocessor control
- New mix program selector
- Complies with latest EN Standards update
- Choice of automatic mixing cycles
- Sand and water dispenser supplied as standard

This mixer is designed to mix mortars and cement pastes to the requirements of the above Standards. The mixing paddle has a planetary motion and is driven by a motor with a microprocessor based speed and program controller. The mixer can be operated either in an automatic or manual mode. When the mixer is used in the manual mode, the two mixing speeds can be changed by means of a rocker switch, without switching off the motor. In the automatic mode any one of the preset mixing programs may be selected.

## Standards

EN 196-1, EN 196-3, EN 413-2, EN 459-2, EN 1744-1, EN 13279-2, EN 1015-2, EN 13395-1, EN 13454-2, ISO 679, BS 3892-1, BS 3892-3, BS 6463-103, BS 4551-1

## Further Information

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

Complete with bowl and paddle, sand and Water dispensers. For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

## Specification

Dimensions (l x w x h)	530 x 350 x 580 mm
Speeds (rpm) Low, High	Paddle: 140 ± 5, 285 ± 10 Mixing Head: 62 ± 5, 125 ± 10
Rated Power	180 W
Bowl Capacity	5 litres approx.
Weight	54 kg

## Accessories



## Bowl Cover

Code: [39-0060](#)



## Scraper

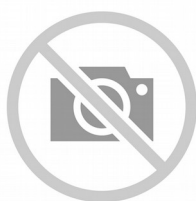
Code: [39-0065](#)

## Spares/Consumables



## Bowl

Code: [39-0031/11](#)



## Paddle

Code: [39-0031/10](#)



## High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.

Code: [24-4125/01](#)

Product Group: [Mechanical Analysis Stirrer](#)

Compact bench top stirrer used for dispersing soil samples in water. Supplied complete with mixing paddle and dispersion cup with baffle. Beaker position maintained by column retainer.

## Standards

BS 1377, ASTM D422, AASHTO T88

## Accessories



### Sodium Hexametaphosphate 500G.

Code: [24-4145](#)

## Spares/Consumables



### Mixing Paddle for 24-4125 Series High Speed Stirrer

Code: [24-4125/10](#)



### Soil Dispersion Cup & Baffle.

Code: [24-4125/11](#)



## 225 Litre Drying Oven

Code: [78-1250/01](#)

Product Group: [Percentage Refusal Density \(PRD\)](#),  
[Oven Drying Method](#), [Oven Drying Method](#), [Oven Drying Method](#)

## Standards

EN 12697-32, EN 13280-4, BS 598-104, BS 1377

## Specification

Capacity	225 litres
External Dimensions (l x w x h)	540 x 1040 x 940
Internal Dimensions (l x w x h)	440 x 920 x 600
Fluctuation	± 0.75°C
Rated power heater elements	2000 W
Shelves supplied	3
Shelf positions	4
Weight	80 kg

## Alternatives



### 100 Litre Drying Oven

Code: [78-1225/01](#)



### 150 Litre Drying Oven

Code: [78-1235/01](#)



### 425 Litre Drying Oven

Code: [78-0135/01](#)

# Product Sheet

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+44 (0) 01525 249 200



## 50 Litre Drying Oven

Code: [78-1215/01](#)



## Electronic Balance - 620 g x 0.001 g

Code: [78-5405/01](#)

Product Group: [Electronic Balances](#)

## Further Information

**\*\*Not available for sale in the USA\*\***

## Specification

Capacity resolution	620 g x 0.001 g
Pan size	125 x 125 mm
Mains and battery	No
Dimensions (w x d x h)	220 x 310 x 270 mm
Weight	6 kg
Weighing units	g, mg, ct, GN, N, lb, oz, lb:oz, ozt, dwt, T, custom unit
Readability	0.001 g



## Digital Pocket Thermometer

Code: [82-5420](#)

Product Group: [Digital Pocket Thermometer](#)

The stainless steel probe carries a highly accurate platinum sensor and when not in use folds back into the side of the instrument. With a clear 8 mm high LCD display this instrument is powered by a standard 12 V MN21 battery or equivalent.

## Further Information

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

## Specification

Dimensions (l x w x h)	150 x 45 x 19 mm
Range	-49.9 to 199.9°C
Resolution	0.1°C
Accuracy	±0.4°C
Weight	105 g





## Electronic Balance - 4600 g x 0.01 g

Code: [78-5456/01](#)

Product Group: [Electronic Balances](#)

## Further Information

**\*\*Not available for sale in the USA\*\***

## Specification

Capacity resolution	4500 g x 0.01 g
Pan size	160 x 160 mm
Mains and battery	No
Dimensions (w x d x h)	220 x 310 x 90 mm
Weight	6 kg
Weighing units	g, kg, lb, lb:oz, oz, ozt, T, custom unit.
Repeatability	0.02 g
Power supply	100-240V, 50/60Hz, 1pH



## Surface Thermometer

Code: [82-5311](#)

Product Group: [General-purpose Thermometers](#)

Flat surface type with approximately 64 mm diameter dial. Accuracy  $\pm 3^{\circ}\text{C}$ . Range 0 -  $+160^{\circ}\text{C}$ .

## Further Information

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



## Portable Thermometer -20 - +60°C

Code: [82-5246](#)

Product Group: [Portable Dial-type Thermometers](#)

50 mm diameter dial with a 200 mm long stem and protective sheath.

## Further Information

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



## Measuring Cylinder - Glass 100 ml

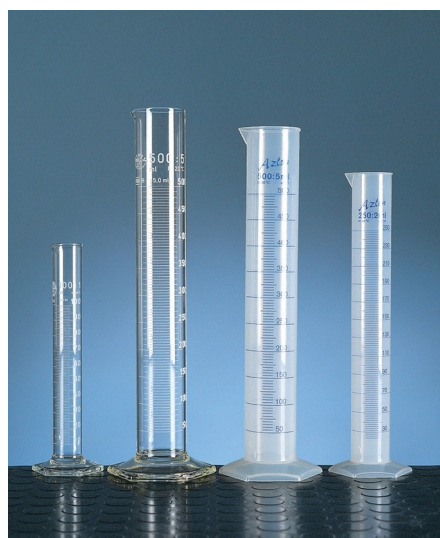
Code: [82-0380](#)

Product Group: [Measuring Cylinders, BS, Volumetric Shrinkage](#)

Soda glass, spouted, BS EN 4788.

## Further Information

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



## Measuring Cylinder - Glass 250 ml

Code: [82-0420](#)

Product Group: [Measuring Cylinders, BS](#)

Soda glass, spouted, BS EN 4788.

## Further Information

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



## Measuring Cylinder - Glass 500 ml

Code: [82-0460](#)

Product Group: [Measuring Cylinders, BS](#)

Soda glass, spouted, BS EN 4788.

### Further Information

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



## Measuring Cylinder - Glass 1000 ml

Code: [82-0500](#)

Product Group: [Measuring Cylinders, BS](#)

Soda glass, spouted, BS EN 4788.

## Further Information

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



## Volumetric Flask - 1000 ml

Code: [82-1060](#)

Product Group: [Funnels and Flasks](#)

Soda glass, stoppered to BS ISO 1042 Class B.

## Further Information

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





## Silica Gel

Code: [82-7091](#)

Product Group: [Chemicals, Test and Reference Materials](#)

Coarse. No hazard. 500 g.

## Further Information

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



## Evaporating Dish - 100 x 40 mm

Code: [82-1970](#)

Product Group: [Evaporating Dishes](#)

Shallow form with spout, porcelain 100 x 40 mm  
nominal diameter x height.

## Further Information

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



## Evaporating Dish - 150 x 45 mm

Code: [82-2000](#)

Product Group: [Evaporating Dishes, Volumetric Shrinkage](#)

Shallow form with spout, porcelain 150 x 45 mm nominal diameter x height.

## Further Information

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



## Evaporating Dish - 200 x 55 mm

Code: [82-2010](#)

Product Group: [Evaporating Dishes](#)

Shallow form with spout, porcelain 200 x 55 mm  
nominal diameter x height.

### Further Information

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