



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

This wishlist was generated on 22/04/2019, and contains the following Products:

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23-1501

**100mm Dia Soil Auger Head**

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23-1504

**150mm Dia Soil Auger Head**

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23-1541

**Extension Rod 27mm Diameter 1m Long. for Use with Auger Heads**

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23-1547

**Handle and T Piece for Use with EL23-1541.**

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23-1577

**38mm Diameter Sample Tube 230mm Long Complete with End Caps.**

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23-3000

**Riffle Box 7mm Slot Width Complete with Three Containers.**

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23-3050

**Riffle Box 13mm Slot Width Complete with Three Containers.**

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23-3070

**Riffle Box 15mm Slot Width Complete with Three Containers.**

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23-3100

**Riffle Box 19mm Slot Width Complete with Three Containers.**

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23-3150

**Riffle Box 25mm Slot Width Complete with Three Containers.**

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23-3170

**Riffle Box 30mm Slot Width Complete with Three Containers.**

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23-3200

**Riffle Box 38mm Slot Width Complete with Three Containers.**

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23-3300

**Riffle Box 50mm Slot Width Complete with Three Containers.**

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23-3350

**Riffle Box 64mm Slot Width Complete with Three Containers.**

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23-4090

**38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.**

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24-0540

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

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24-9002

**Standard Compaction Rammer 2.5kg BS1377**

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24-9004

**BS Compaction Rammer 4.5Kg Wt.**

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25-0402

**Consolidation Frame One Dimensional Consolidation Incremental Loading Device.**

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25-0408

**Set of Weights 100Kg Total Weight.**

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25-0440

**Dial Gauge 10mm Travel X 0.002mm Divisions.**

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25-0455

**Consolidation Cell Complete 50mm Diameter Sample.**

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25-1833/01

**De-Aired Water Apparatus 15 Litre Capacity**

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25-3518/01

**Digital Tritest 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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25-4047

**50mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.**

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25-4166

**38mm/1.5 Inch Base Adaptor for 50mm Cells.**

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25-4200

**Piston Restraint Clamp for Ele Triaxial Cells**

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25-4290

**Membrane Placing Tool 35mm/38mm.**

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25-4520

**Valve No Volume Change 1/4 Inch BSp Fitted with 6 mm Connector and Integral Sealing Ring.**

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25-4540

**10 ml Burette Single Tube Drainage**

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25-5100

**Suction Membrane Device 38mm/1.5 Inch Diameter.**

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25-5120

**Two-Way Split Former 38mm/1.5 Inch Diameter.**

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25-5130

**Two Part Split Mould 38mm**

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25-5181

**Porous Disc 38mm/1.5 inch Diameter. Pack of 2.**

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25-5200

**Filter Paper Drain 38mm/1.5 inch Diameter. Pack of 50.**

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26-1746

**Bladder-Type Air/Water Pressure Assembly. 1000 Kpa Maximum Working Pressure.**

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26-1760

**Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.**

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26-1880

**Universal Pump and Pressure Indicating Panel 1700Kpa.**

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27-1300/01

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

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27-1575

**Submersible Load Transducer Assembly 10kN Capacity In Compression.**

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27-1617

**Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.**

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34-0192

**Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.**

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34-6122/01

**Melting Pot 4 Litre Capacity. 50 to 300 Deg. C. Temperature Range.**

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38-4010

**Vicat Frame Complete.**

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420-035

**Paqualab Incubator 50:- Dual Incubator Filtra- Tion Unit 50 Al Petri Dishes**

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47-6175

**Compact Core Drill**

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78-5527/01

**Electronic Balance - 32 000 g x 1.0 g**

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80-0200/01

**ELE Sieve Shaker**

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83-1730/01

**Air Compressor**

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## 100mm Dia Soil Auger Head

Code: [23-1501](#)

Product Group: [Soil and Gravel Auger Heads](#)

Constructed of heavy-duty steel plates; partly interlocked at the cutting end and suitable for cohesive soils.



## 150mm Dia Soil Auger Head

Code: [23-1504](#)

Product Group: [Soil and Gravel Auger Heads](#)

Constructed of heavy-duty steel plates; partly interlocked at the cutting end and suitable for cohesive soils.



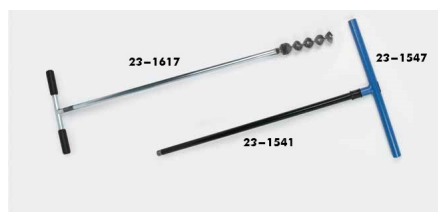
## Extension Rod 27mm Diameter 1m Long. for Use with Auger Heads

Code: [23-1541](#)

Product Group: [Extension Rods, Handles and Tools](#)

With tube connector, constructed of steel tubing  
approximately 1 metre long.





## Handle and T Piece for Use with EL23-1541.

Code: [23-1547](#)

Product Group: [Extension Rods, Handles and Tools](#)



## **38mm Diameter Sample Tube 230mm Long Complete with End Caps.**

Code: [23-1577](#)

Product Group: [Extension Rods, Handles and Tools](#)

Supplied without Adaptor, but with two end caps



**Riffle Box 7mm Slot Width Complete with Three Containers.**

Code: [23-3000](#)  
Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 4.5 mm. EN recommended maximum particle size of 3.5 mm. Includes 12 slots each with a 7 mm slot width and an overall approximate capacity of 0.3 litres.

**Standards**

BS 1377, BS 1924, BS 812, EN 932-1

**Specification**

Recommended max particle size BS	4.5
Recommended max particle size EN	3.5
Slot width mm	7
No. of slots	12
Approx. capacity kg	0.3
Weight kg	1.5



## Riffle Box 13mm Slot Width Complete with Three Containers.

Code: 23-3050

Product Group: Riffle Boxes (Sample Dividers)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 8.5 mm. EN recommended maximum particle size of 6.5 mm. Includes 12 slots each with a 13 mm slot width and an overall approximate capacity of 2 litres.

## Standards

BS 1377, BS 1924, BS 812, EN 932-1

## Specification

Recommended max particle size BS	8.5
Recommended max particle size EN	6.5
Slot width mm	13
No. of slots	12
Approx. capacity kg	2
Weight kg	6



**Riffle Box 15mm Slot Width Complete with Three Containers.**

Code: [23-3070](#)

Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 10 mm. EN recommended maximum particle size of 7.5 mm. Includes 12 slots each with a 15 mm slot width and an overall approximate capacity of 2 litres.

**Standards**

BS 1377, BS 1924, BS 812, EN 932-1

**Specification**

Recommended max particle size BS	10
Recommended max particle size EN	7.5
Slot width mm	15
No. of slots	12
Approx. capacity kg	2
Weight kg	8



**Riffle Box 19mm Slot Width Complete with Three Containers.**

Code: [23-3100](#)  
Product Group: [Riffle Boxes \(Sample Dividers\)](#)  
Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 12.5 mm. EN recommended maximum particle size of 9.5 mm. Includes 10 slots each with a 19 mm slot width and an overall approximate capacity of 4 litres.

**Standards**

BS 1377, BS 1924, BS 812, EN 932-1

**Specification**

Recommended max particle size BS	12.5
Recommended max particle size EN	9.5
Slot width mm	19
No. of slots	10
Approx. capacity kg	4
Weight kg	9



**Riffle Box 25mm Slot Width Complete with Three Containers.**

Code: 23-3150  
Product Group: Riffle Boxes (Sample Dividers)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 16.5 mm. EN recommended maximum particle size of 12.5 mm. Includes 10 slots each with a 25 mm slot width and an overall approximate capacity of 4 litres.

**Standards**

BS 1377, BS 1924, BS 812, EN 932-1

**Specification**

Recommended max particle size BS	16.5
Recommended max particle size EN	12.5
Slot width mm	25
No. of slots	10
Approx. capacity kg	4
Weight kg	11.5



**Riffle Box 30mm Slot Width Complete with Three Containers.**

Code: [23-3170](#)

Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 20 mm. EN recommended maximum particle size of 15 mm. Includes 10 slots each with a 30 mm slot width and an overall approximate capacity of 4 litres.

**Standards**

BS 1377, BS 1924, BS 812, EN 932-1

**Specification**

Recommended max particle size BS	20
Recommended max particle size EN	15
Slot width mm	30
No. of slots	10
Approx. capacity kg	4
Weight kg	17.5





## Riffle Box 38mm Slot Width Complete with Three Containers.

Code: [23-3200](#)

Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 25 mm. EN recommended maximum particle size of 19 mm. Includes 8 slots each with a 38 mm slot width and an overall approximate capacity of 11 litres.

## Standards

BS 1377, BS 1924, BS 812, EN 932-1

## Specification

Recommended max particle size BS	25
Recommended max particle size EN	19
Slot width mm	38
No. of slots	8
Approx. capacity kg	11
Weight kg	17.5



## Riffle Box 50mm Slot Width Complete with Three Containers.

Code: [23-3300](#)

Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 33 mm. EN recommended maximum particle size of 25 mm. Includes 8 slots each with a 50 mm slot width and an overall approximate capacity of 14 litres.

## Standards

BS 1377, BS 1924, BS 812, EN 932-1

## Specification

Recommended max particle size BS	33
Recommended max particle size EN	25
Slot width mm	50
No. of slots	8
Approx. capacity kg	14
Weight kg	22.5



## Riffle Box 64mm Slot Width Complete with Three Containers.

Code: 23-3350

Product Group: Riffle Boxes (Sample Dividers)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 42.5 mm. EN recommended maximum particle size of 32 mm. Includes 8 slots each with a 64 mm slot width and an overall approximate capacity of 18 litres.

## Standards

BS 1377, BS 1924, BS 812, EN 932-1

## Specification

Recommended max particle size BS	42.5
Recommended max particle size EN	32
Slot width mm	64
No. of slots	8
Approx. capacity kg	18
Weight kg	27



## 38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

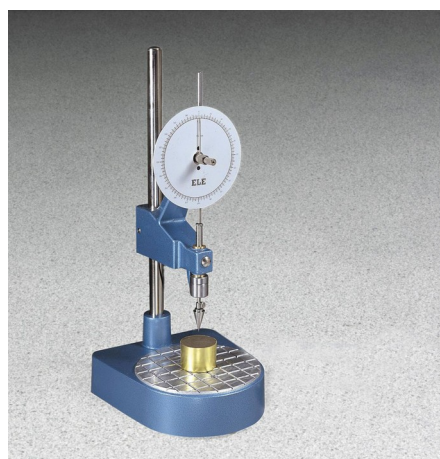
Code: [23-4090](#)

Product Group: [Soil Extruders](#)

This Sample Extruder comprises a vertically mounted lever action hydraulic jack, with the body extended to form a chamber which accommodates a 38 mm diameter sample tube. Supplied complete with trimming knife, 38 mm split former and wire saw.

## Standards

BS 1377-1



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

Code: [24-0540](#)

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

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 1377-2

## 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	7



## Standard Compaction Rammer 2.5kg BS1377

Code: [24-9002](#)

Product Group: [BS/EN compaction test 2.5kg](#)

50mm diameter with 300mm drop, manufactured from corrosion protected steel.

## Standards

BS 1377-4, BS 1924-2

## Specification

Rammer	50 mm dia, 2.5 kg
Drop	300 mm
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight kg	4.2



## BS Compaction Rammer 4.5Kg Wt.

Code: [24-9004](#)

Product Group: [BS/EN compaction test 4.5kg, Straightedge](#)

50mm diameter with 450mm drop, manufactured from corrosion protected steel.

## Standards

BS 1377-4, BS 1924-2

## Specification

Rammer	50 mm dia, 4.5 kg
Drop	450 mm
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight kg	7.5



## Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

Code: 25-0402

Product Group: Consolidation Apparatus, Table Top Consolidation Apparatus

- High capacity - 8800 kPa on 50 mm diameter specimens using 11:1 beam ratio
- Triple beam ratio, 9:1, 10:1, 11:1
- Compact unit ensures maximum space saving

The ELE Oedometer is rigidly constructed to ensure minimum frame distortion. The frame is designed to load the specimen through a yoke assembly and one of three alternative beam ratios. The beam is fitted with a counterbalance weight and beam support jack. The cell platform will accept the complete range of ELE consolidation cells and is fitted with a central spigot to ensure accurate centring of the cell under the loading yoke. Dimensions without hanger 711 x 203 x 508 mm (l x w x h). Weight 24 kg.

## Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5

## Further Information

Supplied without dial gauge and weights.

## Specification

Load Capacity	48 tons/sq. ft. (5,14 8 kPa) on 2.5" (63 mm) diam. samples.
Loading Beam	Cast aluminum; counterbalanced; 9:1,10:1 and 11 :1 ratios.
Frame	Cast aluminum; integral beam support jack; plated steel and platform.
Dimensions	203 x 711 x 508 mm, (8" w. x 28" d. x 20" h) . excluding weight hanger.
Weight	24 KG





## Set of Weights 100Kg Total Weight.

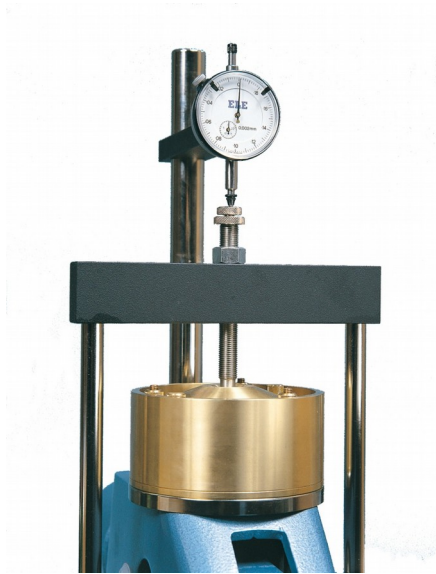
Code: [25-0408](#)

Product Group: [Consolidation Apparatus](#)

9 x 10 kg, 1 x 5 kg, 2 x 2 kg, 1 x 1 kg.

## Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5



## Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: [25-0440](#)

Product Group: [Measurement of Horizontal and Vertical Movement](#), [Vertical settlement measurement](#), [Direct/Residual Shear Apparatus](#)



## Consolidation Cell Complete 50mm Diameter Sample.

Code: 25-0455

Product Group: Table Top Consolidation Apparatus, Pneumatic Consolidation Apparatus, Fixed Ring Consolidation, High pressure application consolidation cells and accessories

- 50 mm dia samples
- Integral water reservoir
- Supplied with upper and lower porous disc and cutting ring
- Manufactured from corrosion resistant materials
- Maximum working stress 8 mpa

## Specification

Application	High pressure
Specimen Dia	50 mm
Specimen area	1963 mm <sup>2</sup>
Beam ratio	10:1
Load kg	1
Stress	50 kPa
Typical max stress	8 MPa
Stress for 1 kg m <sup>2</sup>	50 kPa
Application	High Pressure
Specimen Diameter	50 mm
Specimen Area	1963 mm <sup>2</sup>
Beam Ratio	10:01
Load	1 kg
Stress	50 kPa
Typical Maximum Stress	8 MPa
Stress for 1 kg	50 kPa

## De-Aired Water Apparatus 15 Litre Capacity

Code: [25-1833/01](#)

Product Group: [De-Aired Water](#)

Complies to BS 1377-1



This compact self-contained unit will de-air water quickly and efficiently down to levels of dissolved oxygen acceptable for geotechnical test methods. Air is removed from the water by a vacuum system, which continuously circulates the water in the tank. The unit is supplied with a clear water container, which will hold a maximum of 15 litres of water. Input and output lines are formed using standard 6 mm tube connectors.

## Standards

BS 1377-1

## Specification

Dimensions l x w x h (mm)      380 x 356 x 470



## Digital Tritest 50 Load Frame

Code: 25-3518/01

Product Group: Digital Tritest 50 Load Frame, CBR Load Frames, Triaxial Load Frames

- Microprocessor control
- Large on-board LED screen display
- Direct entry via a touch sensitive keyboard
- Rapid approach and return to datum of platen
- Fully variable speed, 0.00001 to 9.99999 mm/min
- Samples up to 100 mm diameter

This 50 kN capacity machine, designed primarily for triaxial testing of soil specimens up to 100 mm diameter x 200 mm long, comprises a rigid twin column construction with an integral fully variable microprocessor controlled drive unit and LCD display with a touch sensitive keyboard. The machine is normally bench mounted for ease of installation and operation.

The use of a microprocessor controlled drive system and keyboard entry provides the Digital Tritest 50 with a wide variety of features which include pause and speed reset during test, RS 232C, operator programming of speed and control functions, self test diagnostics and many other features.

A robustly constructed steel case houses the motor drive system with careful attention being given to the prevention of ingress of water or grit. All operating controls are mounted on the front panel of the machine, which is angled and recessed to prevent physical and environmental damage.

## Standards

BS 1377-7, BS 1377-8, BS 1924-2, ASTM D1883, ASTM D2166, ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180, AASHTO T193, AASHTO T208, AASHTO T296, AASHTO T297

## Further Information

Complete with RS 232C interface.

## Specification

Capacity	50kN (11,200 lbf).
Speed Range	English mode: 0.000001 to 0.399999 in/min. Metric mode: 0.00001 to 9.99999 mm/min.
Rapid Approach Speed	1.0 in/min. (25 mm/min.).

## Product Sheet

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



Platen Travel	100mm (3.9"); limit switch protection.
Platen Diameter	133 mm (5.2")
Vertical Clearance	910 mm, (36 .8") maximum; 305mm, (12") minimum.
Horizontal Clearance	364mm, (15 .3").
Serial Interface	RS232C; programmable baud rate and protocol.
Overall Dimensions	500 x 500 x 1,470 mm, (19.7" w. x 19.7" d. x 57.8" h).
Weight	Net 100kg (220 lbs); Shpg. 136kg (300 lbs).



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

Code: [25-3650](#)

Product Group: [Unconfined Compression Tester, Hand-Operated](#)

Unconfined Compression Platens

### Standards

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



## 50mm Triaxial Cell 1700KPa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4047](#)

Product Group: [Triaxial Cell](#), [Triaxial Cells](#)

- Working pressure up to 1700 kPa
- All round visibility
- Sample sizes 38 to 100 mm diameter
- Rapid assembly and dismantling
- Accepts a range of interchangeable submersible load transducers

This range of precision made triaxial cells has been designed to meet the requirements of the modern soils laboratory. The cells have been treated to minimise corrosion. Particular attention has been paid to the quality of finish between the piston and the head. Final assembly includes the fitting of an O-ring seal and the use of special lubricant to reduce friction to a minimum and eliminate water leakage.

The piston load capacity is designed to accept high horizontal forces which may be present during the final stages of a test. Each cell has five take-off positions drilled in the base for top drainage/back pressure, pore water pressure and bottom drainage. Two no-volume change valves and an anvil for strain gauge/transducer datum are supplied for fitting to the cell.

A feature of these cells is that they all accept a single diameter piston. The internal height is such that a range of submersible load transducers can be fitted without any modification. Each cell will accept a range of base adaptors and various accessories for testing a wide range of specimens

## Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

## Specification

Cell size	50 mm
Max specimen size	50 x 100 mm
Working pressure	1700 kPa
Max piston load	45 kN
Vertical clearance required	380 mm
Horizontal clearance required	155 mm
Weight kg	4





## 38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: [25-4166](#)

Product Group: [Specimen Base Adaptors](#), [Base Pedestals](#)

38mm/1.5 Inch Base Adaptor with Twin Pore Pressure Ports for 50mm Cells.

## Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297



## Piston Restraint Clamp for Ele Triaxial Cells

Code: [25-4200](#)

Product Group: [Aggressive Materials](#), [General Cell Accessories](#)

For ELE Triaxial Cells Manufactured From July 1996.

## Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

## Further Information

To lock the loading piston into position



## Membrane Placing Tool 35mm/38mm.

Code: [25-4290](#)

Product Group: [Membrane Placing Tools, O-Ring Placing Tools](#)

Membrane Placing Tool For 35Mm/1.4 Inch And 38Mm/1.5 Inch Samples.

## Standards

ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297, ASTM D7181



**Valve No Volume Change 1/4 Inch BSp  
Fitted with 6 mm Connector and Integral  
Sealing Ring.**

Code: [25-4520](#)

Product Group: [Accessories for CU/CU effective  
stress, General Cell Accessories](#)

## Standards

ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T296, AASHTO T297



## 10 ml Burette Single Tube Drainage

Code: [25-4540](#)

Product Group: [N/A](#)

Complete with rod clips length of tubing and connectors for fitting it to the triaxial cell.



## Suction Membrane Device 38mm/1.5 Inch Diameter.

Code: [25-5100](#)

Product Group: [Suction Membrane Devices](#), [Suction Membrane Device](#)

Suction Membrane Device For 38Mm/1.5 Inch Samples.



## Two-Way Split Former 38mm/1.5 Inch Diameter.

Code: [25-5120](#)

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

Two-Way Split Former For 38Mm/1.5 Inch Samples.



## Two Part Split Mould 38mm

Code: [25-5130](#)

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





## **Porous Disc 38mm/1.5 inch Diameter. Pack of 2.**

Code: [25-5181](#)

Product Group: [Accessories for CU/CU effective stress, Porous Stones](#)

Porous disc for 38 mm/1.5 inch samples (Pack of 2).



## **Filter Paper Drain 38mm/1.5 inch Diameter. Pack of 50.**

Code: [25-5200](#)

Product Group: [Accessories for CU/CU effective stress, Filter Paper Drains](#)

Filter paper drain 38 mm diameter (Pack of 50).



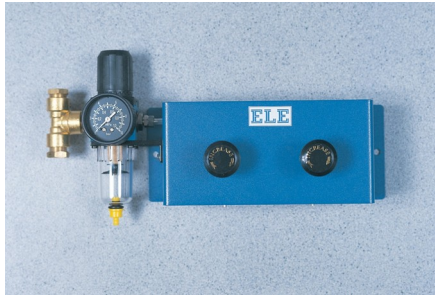
## Bladder-Type Air/Water Pressure Assembly. 1000 Kpa Maximum Working Pressure.

Code: 26-1746

Product Group: [Air/Water Pressure Systems - up to 1000 kPa](#)

With transparent plastic chamber for operating continuously at pressures up to 1000 kPa. A length of tubing is provided for connecting the air/water cylinder outlet to a pressure measuring system.

- Used to supply hydraulic pressure from a pneumatic pressure source.
- Prevents air entering the hydraulic pressure system.
- Maximum working pressure 1000kpa.
- Supplied with connectors and tubing for fitting to pressure measuring systems.



## **Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.**

Code: **26-1760**

Product Group: **Air/Water Pressure Systems - up to  
1000 kPa**

Comprising two constant pressure reducing valves with inlet water trap and pressure indicator. The unit allows a maximum output pressure of 1000 kPa. Maximum input pressure should not exceed 1400 kPa. The panel has an inlet connector to accept Nylon tubing from the air compressor and two 6 mm outlets for connecting Bladdertype Air/Water Pressure Assemblies. An outlet connector is fitted for the connection of an additional panel using Nylon tubing to increase the total capacity of the system. This outlet is blanked off when not required.



## Universal Pump and Pressure Indicating Panel 1700Kpa.

Code: [26-1880](#)

Product Group: [Modular Pressure Panel System](#)

This is the main pressure display in the system for monitoring various pressures and also provides fine control of the pressure within the system using the rotary hand pump. The unit is fitted with a dual calibrated 250 mm diameter pressure gauge, four inlet/outlet no-volume change valves, screw controlled rotary hand pump, water reservoir and isolating valves. The unit is housed in a hinged case for wall or bench mounting. By using an isolating valve the panel may be used to monitor cell or back pressure. 1700 kPa and 250 lbf/in<sup>2</sup>.



## 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](#), [Automatic Data Acquisition - CBR](#), [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 TCP/IP 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!



## Submersible Load Transducer Assembly 10kN Capacity In Compression.

Code: [27-1575](#)

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

- Eliminates effects of piston friction on readings
- Unaffected by cell confining pressures
- Easily installed in triaxial cell
- Supplied complete with calibration certificate and 5-pin DIN type connector for use with GDU

Submersible Load Transducers are used to measure accurately the axial loads applied to triaxial test specimens. Consisting of a load cell and piston assembly these units replace the standard triaxial cell loading piston. A major advantage is that these transducers measure loads directly on top of the specimen. All transducers are supplied complete with a 5-pin DIN type connector and calibration certificate.

## Specification

Dimensions	76 x 50 mm (dia x h) excluding piston and adaptor
Overload capacity	150%
Output	27 mv full range
Excitation	11 V DC (15 V DC max)
Non-linearity	0.1% maximum
Hysteresis Deflection	0.1% maximum 0.05 mm at full load
Side force	50% full scale maximum without effect
Connector	5-pin DIN plug
Compensated temperature range	1 to 50°C
Weight g	850





## Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1617](#)

Product Group: [Axial Displacement](#), [Axial Displacement](#), [Displacement Transducers](#)

0 to 50 mm range. For use with Triaxial Cells.

- 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	10V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45



## Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.

Code: [34-0192](#)

Product Group: [Slump Test](#)

BS and ASTM comprising of slump cone, base plate, steel rule, tamping rod and funnel.

### Further Information

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



## Melting Pot 4 Litre Capacity. 50 to 300 Deg. C. Temperature Range.

Code: [34-6122/01](#)

Product Group: [Melting Pot](#)

This unit is suitable for melting wax and capping compound and comprises a metal container in a welllagged steel jacket. A thermostatic control and stand-by heat switch are fitted. Supplied complete with lift-off cover.

## Standards

BS 1377-1

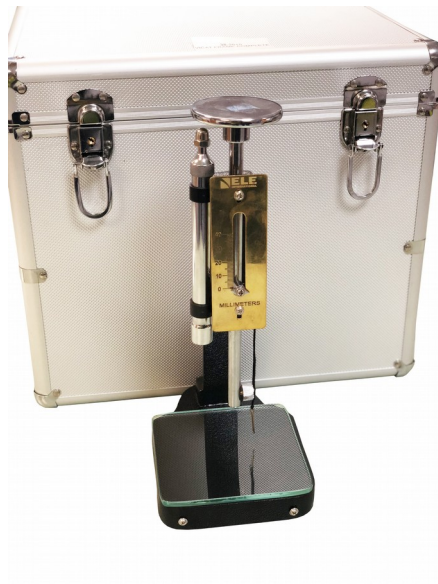
## Further Information

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

for 220 - 240 V AC, 50 - 60 Hz, 1 ph.

## Specification

Internal Dimensions (diameter x depth)	140 x 150 mm
External Dimensions (diameter x depth)	250 x 165 mm
Capacity	4 litres
Rated Power	300 watt
Temperature range	50 to 300°C
Weight	7 kg
Internal Dimensions (diameter x depth)	140 x 150 mm
External Dimensions (diameter x depth)	250 x 165 mm
Capacity	4 litres
Rated Power	300 watt
Temperature range	50 to 300°C
Weight	7 kg



## Vicat Frame Complete.

Code: [38-4010](#)

Product Group: [Vicat Method](#)

Vicat Apparatus is for determining the normal consistency, standard consistency and time of setting of cement and lime in accordance with IS, ASTM, BS and AASHTO specifications. The procedure, as recommended in various standards, is for determining the quantity of water required to produce a cement paste of standard consistency. The standard consistency is attained when the 10 mm plunger of the apparatus penetrates the material to a pre-determined depth under free-fall. A new sample is prepared and tested with initial and final needles in accordance with the procedure described in various specifications

Complies to EN 196-3, EN 480-2, EN 13454-2, ASTM C187, ASTM C191, AASHTO T129, AASHTO T131.



## **Paqualab Incubator 50:- Dual Incubator Filtration Unit 50 AI Petri Dishes**

Code: 420-035

Product Group: [Paqualab Portable Incubators & Filtration Unit](#)

Contamination by sewage is the greatest danger associated with water for drinking.

This is because sewage may contain organisms that cause diseases such as typhoid, dysentery and hepatitis.

The bacteria which cause the disease are very small and cannot be seen without a microscope. The

Most common method of counting bacteria is to encourage them to grow to form a colony of bacteria large enough to be seen and counted. It would be very dangerous for the operator if the disease causing organisms were grown, therefore harmless indicator bacteria are used. Indicator organisms are much more common than disease causing organisms and so are easier to detect. The presence of coliforms, faecal coliforms and faecal streptococci are used to establish whether a water supply has been contaminated with sewage.

Paqualab Incubator System is a Portable Testing System for Drinking Water.

The Paqualab Incubator 50 includes two incubators the Standard and Universal, of which will perform 50 Tests - Faecal & Total Coliforms in one incubation period. Each Incubator has 2 pre-set temperatures normally 37° C and 44°C , a membrane filtration unit, microbiological accessories kit, connecting cables and operating manual. All components are in a convenient rigid carrying case which can also accommodate a number of electronic meters from the ELE Paqualab range. The system will operate on 12V or 24V DC, 110V or 20V AC or the internal 12V rechargeable battery supplied.



## Compact Core Drill

Code: 47-6175

Product Group: Compact Core Drill Machine

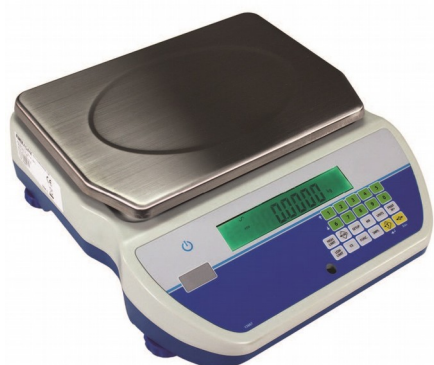
EN 12697-27

Machine is designed to cut cores up to 150 mm diameter from concrete, asphalt and similar hard construction materials. It comprises a vertical support column which carries the drill head/motor assembly. The motor assembly comprises a 6.5 Hp petrol engine, a ball screw mechanism enables close control of the drilling pressure and rapid return when drilling is completed. A water spraying assembly is mounted on the machine. The complete assembly is supplied on a rigid wheel mounted metal base frame with leveling and fixing facility during the operation.

Coring bits are available to order separately

## Specification

Dimensions	500 x 900 x 1100 mm
Weight	95 kg
Power	6.5 Hp



## Electronic Balance - 32 000 g x 1.0 g

Code: 78-5527/01

Product Group: Electronic Balances

- Backlit display changes colour for quick notification of checkweighing limits
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- Large, grade 304 stainless steel pan allows easy cleaning
- RS-232 interface is available to provide speedy connection to computers and printers
- Optional USB interface simplifies data communication
- Sealed keypad protects against dirt and spills
- Solid ABS housing is durable for industrial use
- Adjustable levelling feet help optimise setup
- Drip channels help divert spills away from the scales internal components
- Checkweighing with audible alarm
- External calibration allows for verification and adjustment with weights
- Internal counting resolution 1:600,000 for precise results
- Parts counting optimisation automatically refines piece weight as parts are added
- Parts counting with freely selectable sample sizes
- Preset tare function speeds the process of repetitive weighing
- Product look up (PLU) memory locations store a range of items for recall
- Programmable auto power-off to save energy
- Rechargeable battery included for operation almost anywhere

Applications: weighing, parts counting, checkweighing, check counting, accumulation of weight, percentage weighing and net total weighing.

## Further Information

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

## Specification

Capacity resolution	32000 g x 1.0 g
Pan size	210 x 300 mm
Mains and battery	Yes
Dimensions (w x d x h)	326 x 355 x 115 mm
Net weight	3.29 kg

## Product Sheet

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



Weighing units

g, kg, lb, lb:oz, oz

Repeatability

1.0 g

Power supply

12VDC 50/60 Hz 800mA  
adapter/ Internal rechargeable  
battery





## ELE Sieve Shaker

Code: 80-0200/01

Product Group: ELE Sieve Shaker

The ELE sieve shaker is powered by an electromagnetic drive that has no rotating parts to wear making it maintenance free and extremely quiet in operation.

The unit features a triple Vertical-Lateral-Rotary vibrating action that moves the sample over the sieve producing faster more efficient sieving, while the rapid vertical movements also help keep the apertures from blinding.

The shaker is ideal for laboratory or on site use. It is robust, compact and sufficiently lightweight to be portable. The separate digital microprocessor controlled console unit incorporates a keypad for setting the sieving program and is isolated from any effects of vibration from the shaker.

As standard the shaker includes, timer 0-999 minutes, adjustable vibration intensity and adjustable intermittent or continuous operation.

## Further Information

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

The unit accepts up to ten 200 mm or 8 inch, full height, diameter sieves and lid and receiver, or up to six 300 mm or 12 inch diameter sieves and lid and receiver. Complete as specified. Dimensions (l x w x h) 380 x 440 x 1085 mm. For 220 - 240 V AC, 50 Hz 1ph.



## Air Compressor

Code: 83-1730/01

Product Group: Air Compressors, Air/Water Pressure Systems - up to 1000 kPa

## Further Information

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

## Specification

Dimensions (l x w x h)	483 x 457 x 864 mm
Free air delivery	2.0 cfm
Receiver capacity	50 litres
Maximum pressure	1000 kPa
Continuous working pressure	700 kPa
Electrical supply	220 – 240 V AC 1 ph 50 Hz
Water Trap	No
Weight	57 kg