



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

This wishlist was generated on 05/11/2019, and contains the following Products:

25-0402

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

25-0408

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

25-0429

**Floor Mounting Stand.**

25-0455

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

25-0455/13

**50mm Dia Upper and Lower Porous Stones for Use on EL25-0455 Series Cell.**

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**Cutting Ring 50mm Cell.**

25-5461

**Membrane Sealing Ring 50mm Diameter Pack of 10.**

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**Set of Weights 50 kg Slotted.**

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**Porous Plate 100mm Sq.**

27-1300/01

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

27-1561

**S-Type Load Cell 5 kN.for Use with Direct/ Residual Shear Machine. Fitted with 5 Pin Din Plug.**

27-1617

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

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## **Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box**

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## **Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar**

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## **Transducer Extension Cable 4.5 m**

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27-1793

## **DS7.2 Direct and Residual Shear Strength Program for Windows 7, 32/64 bit**

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29-5300

## **Core Cutter 100mm Id By 130mm Long.**

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42-4300

## **150mm Aggregate Crushing Value Apparatus. Supplied Complete with Metal Measure and Tamping Rod.**

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42-5300/10

## **Set of 12 Abrasive Charges (ASTM).**

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42-5315/01

## **Los Angeles Abrasion Machine Meets ASTM and European Standards. 220-240V 50Hz 1Ph.**

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80-0200/01

## **ELE Sieve Shaker**

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## 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.

PLEASE NOTE: 25-0402 does not come with a mounting stand, cell or a transducer

## 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



## Floor Mounting Stand.

Code: [25-0429](#)

Product Group: [Consolidation Apparatus](#), [Table Top Consolidation Apparatus](#)

A versatile modular steel stand. Holes in the shelf are provided for securing up to three EL25-0402 Consolidation Frames. Dimensions 610 x 915 x 865 mm (l x w x h).

## Standards

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





## 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



## 50mm Dia Upper and Lower Porous Stones for Use on EL25-0455 Series Cell.

Code: [25-0455/13](#)

Product Group: [Fixed Ring Consolidation](#), [High pressure application consolidation cells](#) and [accessories](#)





## Cutting Ring 50mm Cell.

Code: [25-0458](#)

Product Group: [High pressure application consolidation cells and accessories](#), [Fixed Ring Consolidation](#)



## Membrane Sealing Ring 50mm Diameter Pack of 10.

Code: [25-5461](#)

Product Group: [Membrane Sealing Rings, Sealing Rings](#)

50 mm diameter membrane sealing ring (Pack Of 10).

## Standards

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

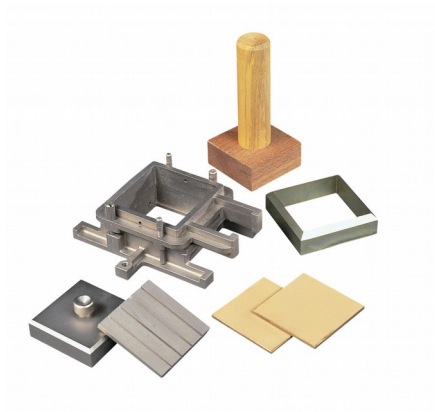


## Set of Weights 50 kg Slotted.

Code: [26-2132](#)

Product Group: [Application of Normal Stress](#)

Normal stress is applied to the specimen through the lever loading device and the appropriate slotted weights



## Porous Plate 100mm Sq.

Code: [26-2197/10](#)

Product Group: [Shearbox Assemblies- Accessories and Spares](#), [Shearbox Assemblies- Accessories and Spares](#)

## Standards

ASTM D3080, AASHTO T236



## 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](#), [Automatic Data Acquisition - CBR](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Data Logging with the DSU](#)

· Download the full brochure here  
[[/Page/catalogue-download/NTRmZS9UaGUgTkVXIE RTVSBVU0EucGRm](#)]

- 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!



## S-Type Load Cell 5 kN.for Use with Direct/Residual Shear Machine. Fitted with 5 Pin Din Plug.

Code: [27-1561](#)

Product Group: [Load Measurement, Measurement of Load \(Shear Stress\)](#)

- Repeatability better than  $\pm 0.02\%$  of rated output
- Non-Linearity better than  $\pm 0.03\%$  of rated output
- Supplied complete with 5-pin DIN type connector for connection to GDU

Ideally suited for a wide range of applications, ELE S-type load cells provide high accuracy and minimum deformation. Various models are available, with the necessary adaptors, for use with ELE Triaxial Load Frames, Multiplex 50/Marshall Test 50/CBR Test 50 and Direct Shear machine.

## Standards

BS 1377, ASTM D3080





## 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



## Consolidation Transducer Assembly 15mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1649](#)

Product Group: [Displacement Measurement](#),  
[Displacement Transducers](#), [Vertical settlement measurement](#)

Fitted with 5 pin DIN plug.

Supplied with Calibration Certificate.

## Specification

Construction	Fully encapsulated electronics, sealed in a stainless steel case
Excitation	11 V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45



## Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: 27-1689

Product Group: Displacement Measurement, Measurement of Horizontal and Vertical Movement, Displacement Transducers

0 to 10 mm range. For use with Direct/Residual Shear Machines. •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	12 V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45
Construction	Fully encapsulated electronics, sealed in a stainless steel case.
Excitation	10vDC.
Connector	5-Pin DIN type.
Mounting Bracket	Included as standard.
Weight	Net 1 lb. (0.45 kg).



## Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: [27-1697](#)

Product Group: [Displacement Measurement, Measurement of Horizontal and Vertical Movement, Displacement Transducers](#)

- 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	13 V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45
Construction	Fully encapsulated electronics, sealed in a stainless steel case.
Excitation	10vDC.
Connector	5-Pin DIN type.
Mounting Bracket	Included as standard.
Weight	Net 1 lb. (0.45 kg).



## Transducer Extension Cable 4.5 m

Code: [27-1719](#)

Product Group: [Extension cables](#), [Transducer Extension Cable](#)

Wired with a 5-pin DIN plug at one end and 5-pin DIN type socket at the other, these extension cables are used to increase the length of any GDU/ECU transducer cable.



## DS7.2 Direct and Residual Shear Strength Program for Windows 7, 32/64 bit

Code: 27-1793

Product Group: DS7.2 Direct/Residual Shear Software, DS7.2 for Windows 7, Automatic Data Acquisition - Direct Shear, DS7.2

This unique package provides test options for quick undrained or drained shear tests with the user selectable option of residual testing. Individual test results can be linked together to produce the Coulomb Envelope. Printouts and plots are available for sample description and basic test data such as moisture content, etc. Realtime plots of settlement, shear versus displacement and vertical displacement during shearing is readily available via the PC screen or printer.



## Core Cutter 100mm Id By 130mm Long.

Code: [29-5300](#)

Product Group: [Core Cutter Apparatus](#)

## Standards

BS 1377





## 150mm Aggregate Crushing Value Apparatus. Supplied Complete with Metal Measure and Tamping Rod.

Code: 42-4300

Product Group: Aggregate Crushing Value (ACV) and Ten Percent Fines Value (TFV)

Comprising of 150 mm nominal diameter steel cylinder, plunger and base plate supplied complete with metal measure and tamping rod.

## Standards

BS 812-112

## Further Information

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



## Set of 12 Abrasive Charges (ASTM).

Code: [42-5300/10](#)

Product Group: [Los Angeles Abrasion Machine](#), [Los Angeles Abrasion Machine](#)

ASTM Set of 12.

## Standards

EN 1097-2, ASTM C131, ASTM C535, AASHTO T96



## Los Angeles Abrasion Machine Meets ASTM and European Standards. 220-240V 50Hz 1Ph.

Code: [42-5315/01](#)

Product Group: [Los Angeles Abrasion Machine](#), [Los Angeles Abrasion Machine](#)

The machine consists of a closed hollow cylindrical steel drum rotating around its horizontal axis on ball bearing units mounted on a sturdy base framework.

The drum is driven at a speed of between 30 - 33 rpm via an enclosed belt drive arrangement from an electric motor/gearbox unit situated on the base frame. Inside the drum a full length steel shelf is attached, accessed by a dust-proof opening.

The cylinder incorporates a removable internal shelf, one shelf position is provided to meet the requirements of both the ASTM and EN test standards.

Controls are located easily on the right-hand side of the machine at convenient operator height.

Start and stop push buttons and a subtracting revolution counter allows the user to preset the number of revolutions before an automatic stop.

## Standards

EN 1097-2, ASTM C131, ASTM C535, AASHTO T96, NF P18-573

## Further Information

For 220 - 240 V AC, 50 Hz, 1ph.

## Specification

Capacity	5,000 g each of aggregate and charge.
Drum Speed	30-33 rpm.
Frame	Welded structural steel.
Counter	Adjustable; automatic shut-off; push-button reset and adjustment.
Controls	Magnetic motor starter with overload protection and integral On-Off switches.
Dimensions	38.6" w. x 36.2" d. x 38.6" h. (980 x 920 x 980 mm).
Weight	Net 882 lbs. (400 kg).

# Product Sheet

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



Motor

1 HP



## 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.