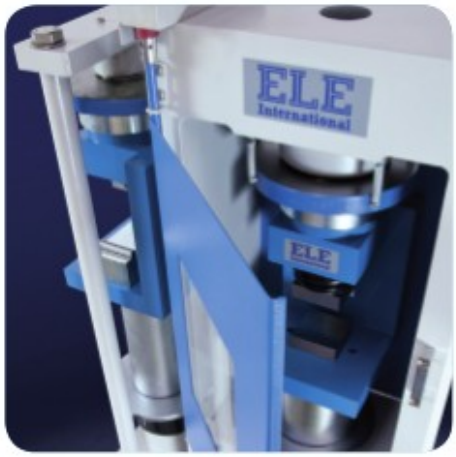
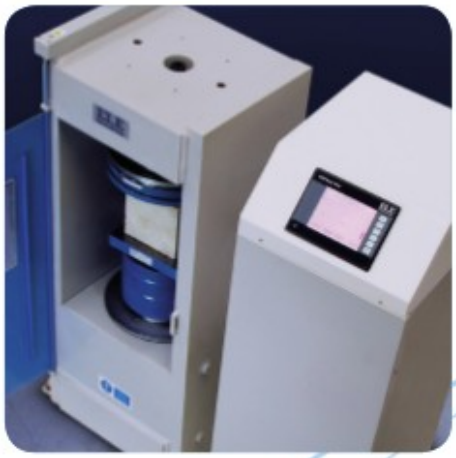


ELE International



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

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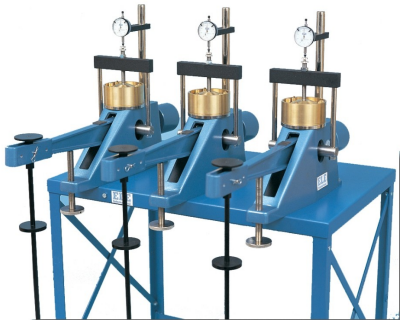
This wishlist was generated on 15/09/2016, and contains the following Products:



Floor Mounting Stand.

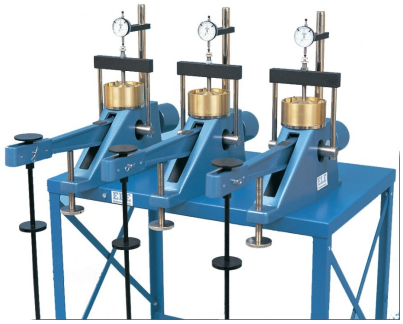
Code: 25-0429

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 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 22 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	(Net 30 lbs). 13 .6 kg; Shpg. 40 lbs. (18.1 kg).

Spares/Consumables

Electronic Digital Indicator, 0.600"/15 mm range

Code: 88-4210

Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503

Product Group: Table Top Consolidation Apparatus, BS EN consolidation cells and accessories, Pneumatic Consolidation Apparatus, Fixed Ring Consolidation

Specification

Application	BS/EN 10:1
Specimen Dia	75 mm
Specimen area	4418 mm²
Beam ratio	9:1
Load kg	1
Stress	20 kPa
Typical max stress	3.2 MPa
Stress for 1 kg m²	20 kPa
Application	BS
Specimen Diameter	75 mm
Specimen Area	4418 mm²
Beam Ratio	10:01
Load	1 kg
Stress	20 kPa
Typical Maximum Stress	3.2 MPa
Stress for 1 kg	20 kPa

Spares/Consumables

75mm Dia Upper and Lower Porous Stones for Use on EL25-0503 Series Cell.

Code: 25-0503/13

Cutting Ring 75mm Cell.

Code: 25-0506

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

Code: 25-0455/13

Product Group: High pressure application consolidation cells and accessories, Fixed Ring Consolidation

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

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

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.).

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).

MultiPlex 50 Load Frame

Code: 25-3700/01

Product Group: CBR Load Frames, Marshall Load Frames, Triaxial Load Frames

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 50mm 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

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 mm/min
Rapid approach speed	40 mm/min
Weight kg	100, (shipping 113 kg)

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

DS7.2 Undrained Triaxial Shear Strength Program for Windows 7, 32/64 bit

Code: 27-1753

Product Group: DS7, DS7.2 Quick Undrained Triaxial Software, Automatic Data Acquisition - Triaxial

- Options for single or multi-stage testing on a sample
- Mohr circles produced for graphical analysis

Options are available for a single test on one sample, standard three-sample procedure with linking of the results, or for a multi-stage test on one sample. Load and strain are monitored through transducers. Various printouts and graphical plots are available including basic sample data, moisture content and density. The program tabulates shearing data and plots stress against strain. Mohr circles are produced for graphical analyses.

Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

Code: 26-2114/01

Product Group: Direct/Residual Shear Apparatus, Direct/Residual Shear Apparatus

- Microprocessor control
- Large on-board LCD screen display
- Direct entry via touch sensitive keyboard
- Rapid approach and return to start datum
- Fully variable speed, 0.00001 to 9.99999 mm/minute
- Accepts specimens up to 100 mm square

The ELE Direct Shear Apparatus accepts specimens 60 mm, 100 mm square or 2.5 inches in diameter. The use of a microprocessor controlled drive system and keyboard entry gives the apparatus a wide range of features that include pause and speed reset during test, RS 232C interface, operator programming of speed and control functions, self test diagnostics and many other features. A return to start datum provides a positive means of reversing the shearbox when either preparing for a new test or continuing with residual testing procedures.

Safety forward/reverse travel limit switches are fitted as standard and monitored through the electronics system control.

The electronics are housed in a modern moulded shroud, which includes a large LCD display and keyboard entry. The apparatus is enclosed in a robustly constructed case, has been designed for floor mounting and is supplied complete with carriage, loading hanger and 10:1 lever loading device.

Standards

ASTM D3080, AASHTO T236, BS 1377, EN 1997-2

Further Information

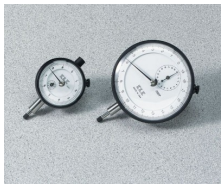
for 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

Sample Size	Accepts either 2.42 ”, 2.5” diam.; 60 mm square samples using accessory shear box assemblies, not included.
Speed Range	Variable in either English or Metric units

	between 0.000001” (0.00001 mm) to 0.399999” (9.99999 mm) per minute.
Shear Force	1,000 lbf. (4.5 kN) maximum.
Vertical Load	2,200 lbf. (1,000 kN) using 10:1 lever ratio.
Dimensions	44.7” l. x 12 .6” w. x 49.6” h. (1,135 x 320 x 1,260 mm).
Weight	Net 181 lbs. (82 kg).

Spares/Consumables



Dial Indicator - 1.0" Range

Code: 88-4100

Electronic Digital Indicator, 0.600"/15 mm range

Code: 88-4210

Vertical Dial Indicator, English

Code: 25-0445

150 Litre Drying Oven

Code: 78-1235/01

Product Group: Oven Drying Method, Oven Drying Method, Oven Drying Method

Standards

BS 2648, BS 598, BS 1377, BS 1924

Further Information

NOT AVAILABLE FOR SALE IN THE USA

425 Litre Drying Oven

Code: 78-0135/01

Product Group: Oven Drying Method, Oven Drying Method, Oven Drying Method

Standards

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

Specification

Capacity	425 litres
External Dimensions (l x w x h)	790 x 1350 x 670 mm
Internal Dimensions (l x w x h)	640 x 920 x 760 mm
Fluctuation	± 0.75°C
Rated power heater elements	2000 W
Shelves supplied	4
Shelf positions	5
Weight	120 kg