



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

This wishlist was generated on 27/03/2018, and contains the following Products:

27-1770

DS7.1 One-Dimensional Consolidation Software

27-1500/01

GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

27-1649

Consolidation Transducer Assembly 10mm Travel Fitted with 5 Pin Din Plug.

25-0440

Dial Gauge 10mm Travel X 0.002mm Divisions.

25-0509

Calibration Disc 75mm Cell

25-0503

Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

25-0503/13

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

25-0506

Cutting Ring 75mm Cell.

25-0429

Floor Mounting Stand.

25-0408

Set of Weights 100Kg Total Weight.

25-0402

Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

36-5125/06

ADR Touch Control Pro 2000 Auto Compression Machine

SP25-0623

Combination Permeameter, 2.5" (63.4 mm)

25-3518/01

Digital Tritest 50 Load Frame

27-1559

50kN S-type Load Cell

27-1697

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

27-1689

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

27-1561

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

S1160

DS7.2 Software-UU/CU/CD Triaxial, Permeability, Consolidation, Direct/Residual Shear, CBR

78-0140/03

Drying Oven 750 Litre

24-0544

Penetration Test Cone

24-0546

Test Gauge for Checking Condition of Cone Point.

24-0540

Cone Penetrometer. Complete with Stainless Steel Test Cone.

24-0548

Penetration Test Cup.

24-9228

ASTM Cbr Mould Complete with Collar & Perforated Base

24-9238

ASTM Spacing Disc.

24-9240

Filter Screen 150mm Dia with 0.15mm Mesh.

24-9250

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



DS7.1 One-Dimensional Consolidation Software

Code: [27-1770](#)

Product Group: [Automatic Data Acquisition - Consolidation](#)

Standards

ASTM D2435, ASTM D4546, AASHTO T216, BS 1377, EN 1997-2



GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

Code: 27-1500/01

Product Group: Data Logging with the GDU, Geotechnical Data Acquisition Unit (GDU), Automatic Data Acquisition - CBR, Automatic Data Acquisition - Triaxial, Automatic Data Acquisition - Consolidation, Automatic Data Acquisition - Direct Shear

The GDU is a stand-alone, multi-tasking, multi-channel data logger, that is reliable and powerful, enabling it to co-ordinate test data from the range of ELE transducers required for various test methods.

The ELE Geotechnical Software package (DS7.1 and following), in conjunction with the GDU and a range of transducers, are the two central components required to create a modern turnkey soil testing system. Being fully modular it can be adapted to a wide range of soil testing laboratory configurations.

- For performing CBR, Consolidation, Direct/Residual Shear and Total & Effective Stress Triaxial tests
- 8 Channels expandable to 32 for performing multiple, concurrent tests for cost savings
- Independent signal conditioning on each channel to maintain data accuracy
- Field-upgradeable software, meaning no downtime for future software and functionality upgrades
- PC link via RS232 (DS7.1 only), or RS232 and Ethernet P2P/LAN (with DS7.2 and following)

- Extended warranty

Specification

Case	Aluminum, free standing; houses power supply, analog to digital conversion module and an 8-channel analog input module with transducer energization.
Sockets	Standard 5-pin DIN type.
Input Range	± 5 volts to ± 10 mV full scale.
Transducer Supply	10vDC.
Dimensions	12.8" w. x 14.3" d. x 6.1" h. (325 x 363 x 155 mm).
Weight	Net 14.08 lbs. (6.4 kg).

Accessories



8-Channel Expansion Analog Input Module

Code: [27-1505](#)



USB to Serial Adapter

Code: [27-1701](#)

Alternatives



GDU 8 Channel Data Acquisition Unit 100-120 V 60 Hz

Code: [27-1500/02](#)



RS232/USB Cable, GDU

Code: [27-1510](#)



Consolidation Transducer Assembly 10mm 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.

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

Accessories



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

Code: [27-1617](#)



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

Code: [27-1697](#)



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

Code: [27-1689](#)

Spares/Consumables



CBR Displacement Transducer

Code: [27-1706](#)

Alternatives



Transducer Extension Cable 3.0 m

Code: [27-1717](#)



Transducer Extension Cable 4.5 m

Code: [27-1719](#)



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](#)

Spares/Consumables



Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)



Vertical Dial Indicator, English

Code: [25-0445](#)



Calibration Disc 75mm Cell

Code: [25-0509](#)

Product Group: [BS EN consolidation cells and accessories](#), [Fixed Ring Consolidation](#)

Standards

BS 1377-5

Accessories



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)

Alternatives



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



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 mm ²
Beam ratio	9:1
Load kg	1
Stress	20 kPa
Typical max stress	3.2 MPa
Stress for 1 kg m ²	20 kPa
Application	BS
Specimen Diameter	75 mm
Specimen Area	4418 mm ²
Beam Ratio	10:01
Load	1 kg
Stress	20 kPa
Typical Maximum Stress	3.2 MPa
Stress for 1 kg	20 kPa

Accessories



Calibration Disc 75mm Cell

Code: 25-0509



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: 25-0479



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)

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](#)

Alternatives



Calibration Disc 75mm Cell

Code: [25-0509](#)



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



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

Code: 25-0503/13

Product Group: BS EN consolidation cells and accessories, Fixed Ring Consolidation

Standards

BS 1377-5

Accessories



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503



Cutting Ring 75mm Cell.

Code: [25-0506](#)

Product Group: [BS EN consolidation cells and accessories](#), [Fixed Ring Consolidation](#)

Standards

BS 1377-5

Accessories



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



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



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



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. (5,148 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).

Accessories



16 Ton Weight Set

Code: [25-0544](#)



2.416" Fixed Ring Consolidometer

Code: [25-0480](#)



2.5" Floating Ring Consolidometer

Code: [25-0530](#)



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



Floor Mounting Stand.

Code: [25-0429](#)



Mechanical Dial Indicator - 0.4" Range

Code: [88-4070](#)



Mechanical Dial Indicator - 1.0" Range Counter Clockwise Movement

Code: [88-4120](#)



Mechanical Dial Indicator - 10 mm Range

Code: [88-4080](#)



Mechanical Dial Indicator - 25 mm Range Counter Clockwise Movement

Code: [88-4130](#)



Set of Weights 100Kg Total Weight.

Code: [25-0408](#)



Weight Set A

Code: [25-0535](#)



Weight Set B

Code: [25-0537](#)

Spares/Consumables



Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)

Alternatives



Pneumatic Consolidation Apparatus

Code: [25-0560](#)



ADR Touch Control Pro 2000 Auto Compression Machine

Code: 36-5125/06

Product Group: General Purpose Compression Machines

The ADR Touch Control Pro is supplied complete with safety gates ready for testing 300 x 150 mm diameter cylinders. When used for cube testing distance pieces of the appropriate size must be ordered separately.

Further Information

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

The ADR Touch Control Pro will deliver all the features and quality of the established ADR-Auto range, with its 20 year history, but with a new sleek design and additional capabilities. The console assembly consists of an ADR Touch Control Pro and power base which can be used with all existing concrete and cement frames

USER INTERFACE

The new ADR Touch Control Pro has an improved user interface providing a high quality platform for testing that will enhance the performance of our compression machines. It now has a larger 7-inch colour touch screen with a higher definition display, allowing easier observation of test progress. A favourites option is also available, allowing users to save the most common set-ups for immediate access, without the need for navigating through selection menus.

USER FLEXIBILITY

The ADR Touch Control Pro has a unique flexible head with rotation capabilities of 75-degrees and a 45-degree tilt, improving usability and comfort for individual users. It is available with four languages English, Spanish, Portuguese and French, making it even more user-friendly and accessible to a wider audience. The new LAN connectivity feature lets the operator use the PC based APP (ELE Logger) to download test results away from the test area. User flexibility has also increased with the new ADR Touch Control Pro as it can now be operated remotely, so tests can be initiated away from the test area. Many issues can be resolved quickly by our service team through the new remote diagnostics feature and updating to the latest version of software has never been easier.

COMPATIBILITY

The all new dual sensor capabilities allow users to test both concrete and cement samples on one frame. The ADR Touch Control Pro is compatible with all existing compression frames and upgrade kits are also available. The upgrade kits can be used to convert existing ADR-Auto consoles to the new Automatic Digital Control Readout.

TESTING TIMES

The new generation ADR Compression Machines have an increased control over the pace rate, which allows users to run the pace rate higher than average, but still within standard. This produces an average time saving of 10% for a typical 150mm cube sample.

ELECTRICAL

Reduced component count and no wire design results in increased reliability and serviceability.

New low voltage interlocks and e-stop has increased safety. The ADR Touch Control Pro has the latest Arm Core Processor technology which has improved the processing power and speed.

Specification

Capacity	2000 kN
Cubes (Concrete)	Up to 200 mm
Cylinders (Concrete)	Up to 160 x 320 mm
Blocks	n/a
TFV and ACV	Yes
Voltage Supply	220-240 V 60 Hz 1 Ph
Frame Type	Welded
Max vert. Clearance	375 mm
Max hor. Clearance	355 mm
Platen Sizes	Lower , Upper 222 mm
Overall Dimensions	450 x 780 x 1225 mm

Accessories



100 kN Flexural Fitting Kit ADR Auto for 110 - 120 V AC, 60 Hz, 1 ph

Code: [37-6135/02](#)



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 50 Hz, 1 ph

Code: [37-6135/01](#)



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 60 Hz, 1 ph

Code: [37-6135/06](#)



2000 kN Capacity Calibration Load Cell with Hand-Held Readout & Calibrated to UKAS

Code: [37-8315](#)



Flexible Hose

Code: [5038B0027](#)



Impact Printer Rs232 Serial Connection. Supplied Complete with 1 Paper Roll.

Code: [37-4859/01](#)



Standard Distance Piece - 100 mm Depth

Code: [37-5100](#)



Standard Distance Piece - 20 mm Depth

Code: [37-4980](#)



Standard Distance Piece - 50 mm Depth

Code: [37-5000](#)



Standard Distance Piece - 60 mm Depth

Code: [37-5020](#)



Standard Distance Piece - 80 mm Depth

Code: [37-5050](#)

Spares/Consumables



Pressure transducer, 0-700bar, 0.05 to 10v DC Output

Code: [6014A0062](#)

Alternatives



ADR Touch Control Pro 2000 Auto Compression Machine

Code: [36-5125/01](#)



ADR Touch Control Pro 2000 Auto Compression Machine

Code: [36-5125/02](#)



Combination Permeameter, 2.5" (63.4 mm)

Code: [SP25-0623](#)

Product Group: [Combination Permeameter](#),
[Combination Permeameter Constant or Falling Head](#)

- Plated steel chamber head assembly
- Corrosion-resistant cast aluminum base assembly
- Includes accessories for conducting both constant and falling head permeability studies

This combination permeameter has a transparent plastic chamber for soil specimens of either fine-grained or coarse-grained soils. Generally, soils containing 10 percent or more particles passing a 75 μ m sieve are tested using the falling head assembly. More granular soils, containing 90 percent or more particles retained on the 75 μ m sieve, are tested using the constant head assembly.

The cell is sealed at the top so that a vacuum may be used to saturate the specimen. Porous stones located at the top and bottom of the cell prevent sample flaking or washout. For constant head tests, a plastic funnel reservoir is mounted on an upright attached to the cell, providing a maximum head of 550 mm. Falling head tests are performed using the graduated pipette falling head reservoir, which gives a maximum head of 1000 mm and is graduated 0.2 ml.

Specification

Specimen size	63.5 x 140 mm (dia x l max).
Chamber	Transparent plastic, single section
Base	Cast aluminium
Top seal	Plated steel with gaskets
Porous Stones	62.7 x 12.7 mm (diameter x thickness)
Constant head	Plastic, funnel reservoir, 550 mm maximum head
Falling head	Graduated pipette, 100 ml x 0.2 ml, 1000 mm maximum head
Weight kg	5
Specimen Size	2-1/2" diam. x 5-1/2" l. max. (63.5 x 140 mm).
Capacity	Clear lucite; 1/4" (6.3 mm) wall;

Product Sheet

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



Base	single section.
Top Seal	Cast aluminum.
Porous Stones	Plated steel with gaskets.
	Mounts at top and bottom; 2.47" diam. x 1/2" thick (62.7 x 12.7 mm); 105-120 permeability rating; 300 micron, average pore size.
Constant Head	Plastic; funnel reservoir; 55 cm maximum head.
Falling Head	Graduated pipette; 100 mm x 0.2 mm; 100 cm. maximum head.
Weight	Net 11 lbs. (5 kg).

Spares/Consumables



Porous Stone 2.47" x .50"

Code: [T-308](#)



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
+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).

Accessories



50kN Clamped Boss Load Ring

Code: [78-0860](#)



Adaptor kit, to perform CBR on the Tritest 50 load frame

Code: [25-3518/10](#)



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)

Alternatives



MultiPlex 50 Load Frame

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



Versa-Loader

Code: [25-3525/02](#)



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](#)



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).

Accessories



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

Code: [27-1617](#)



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

Code: [27-1689](#)

Spares/Consumables



CBR Displacement Transducer

Code: [27-1706](#)

Alternatives



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

Code: [27-1617](#)



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

Code: [27-1689](#)



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).

Accessories



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

Code: 27-1617



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

Code: 27-1697

Spares/Consumables



CBR Displacement Transducer

Code: 27-1706

Alternatives



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

Code: 27-1617



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

Code: [27-1697](#)



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

Accessories



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

Code: [27-1551](#)

Alternatives



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

Code: [27-1551](#)



DS7.2 Software-UU/CU/CD Triaxial, Permeability, Consolidation, Direct/Residual Shear, CBR

Code: [S1160](#)

Product Group: [DS7, DS7.2 Geotechnical Software General Module](#)

- Programs available for Triaxial, Permeability Consolidation, Direct/Residual Shear and CBR tests
- Full support for Windows 7 and MS Word 2007/2010
- Accurate and repeatable test procedures
- 24 hour unsupervised logging
- Eliminate the possibility of errors while taking manual readings
- Tests are run with step-by-step instructions selectable between BS and ASTM/AASHTO standards
- Automatic report generation in accordance with the above standards
- Real-time graphical outputs to both screen and printer as required



Drying Oven 750 Litre

Code: [78-0140/03](#)

Product Group: [Oven Drying Method](#), [Oven Drying Method](#), [Oven Drying Method](#)

Constructed of mild steel with powder coated exterior and aluminium coated steel chamber (corrosion resistant). 3 pH + neutral with digital control. Microprocessor digital control as standard. Temperature range 40-250 deg.C.

Comes with certificate of conformity for BS1377.

5 shelves and 8 shelf positions.

Weight: 200kg



Penetration Test Cone

Code: [24-0544](#)

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

Stainless steel, 35 mm long with smooth surface at an angle of 30°.

Standards

BS 1377-2



Test Gauge for Checking Condition of Cone Point.

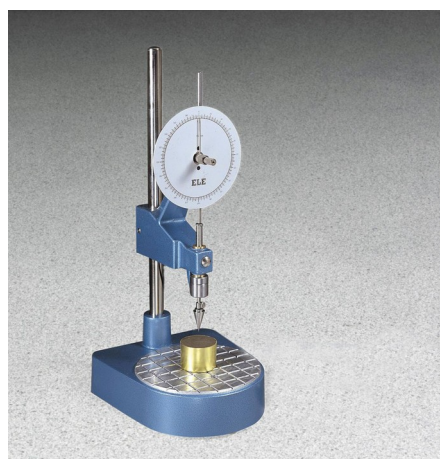
Code: [24-0546](#)

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

55 mm diameter by 40 mm deep, with the rim parallel to the flat base.

Standards

BS 1377-2



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

Accessories



Penetration Test Cup.

Code: [24-0548](#)



Test Gauge for Checking Condition of Cone Point.

Code: [24-0546](#)

Spares/Consumables



Penetration Test Cone

Code: [24-0544](#)

Alternatives



Semi-Automatic Cone Penetrometer

Code: [24-0545/01](#)



Penetration Test Cup.

Code: [24-0548](#)

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

Brass construction, 55mm dia x 40mm depth to fit BS1377

Standards

BS 1377-2



ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

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

With collar and perforated baseplate.

Standards

ASTM D1883, AASHTO T193

Specification

Mould	152.4 x 177.8 mm (inside diameter x height)
Collar	50.8 mm height, fits both ends of mould
Base plate	Perforated
Construction	All steel, plated
Weight kg	9

Accessories



4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)



5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



ASTM Cutting Collar.

Code: [24-9236](#)



ASTM Spacing Disc.

Code: [24-9238](#)

Alternatives



4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)



5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



ASTM Cutting Collar.

Code: [24-9236](#)



ASTM Spacing Disc.

Code: [24-9238](#)



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](#)



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](#)