



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

This wishlist was generated on 29/01/2017, and contains the following Products:

27-1633

Pressure Transducer Assembly 1700Kpa Fitted with 5 Pin DIN Plug.

27-1641

Volume Change Transducer Assembly 80ml Capacity Maximum Working Pressure 1700KPa

27-1753

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

27-1763

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

26-2114/01

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

26-2132

Set of Weights 50 kg Slotted.

26-2181

Shear Box Assembly 60mm Sq.

26-2185

Specimen Cutter 60mm Sq.

26-2189

Specimen Extrusion Tool 60 mm 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.

27-1689

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

27-1697

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

27-1793

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

26-2181/10

Porous Plate 60mm Sq.

29-4000

100mm Sand Pouring Cylinder.

29-4020

100mm Calibrating Container 100mm Id X 150mm deep with 200mm dia rim.

29-4040

Metal Tray 300mm Sq. X 40mm deep with a 100mm dia hole.

82-2000

Evaporating Dish - 150 x 45 mm

24-1550

Shrinkage Dish.

24-1600

Glass Cup.

24-1500

Prong Plate.

81-0100

Spatula 100 mm

82-0420

Measuring Cylinder - Glass 250 ml

24-1800

Shrinkage Mould to BS 1377

81-0588

Vernier Caliper Range 0 to 200mm X 0.02mm.

24-0545/01

Semi-Automatic Cone Penetrometer

24-0540

Cone Penetrometer. Complete with Stainless Steel Test Cone.

24-0546

Test Gauge for Checking Condition of Cone Point.

24-0548

Penetration Test Cup.

24-4125/01

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

24-4145

Sodium Hexametaphosphate 500G.

24-4865/01

Constant Temperature Bath 5 to 99.9 Deg.C X 0.1 Deg.C with Led Display and False Base Support.

24-4919

Sand Equivalent Apparatus ASTM Aashto with Carrying Case.

24-4925

5 Litre Syphon Assembly with Connection for 5mm Id Tubing.

24-4930

Calcium Chloride 2.5Kg.

24-4932

Formaldehyde 40% Aqueous Solution 2.5 Litre.

24-4934

Glycerol Analar 2.5 Litre

24-4945/01

Motorised Sand Equivalent Shaker ASTM. 220-240VK 50Hz 1Ph.

24-0417/01

Motorised Liquid Limit Device W/ Counter BS 220-240V 50Hz 1Ph.

24-0425

Grooving Tool and Gauge B.S.

24-0430

Glass Plate.



Pressure Transducer Assembly 1700Kpa Fitted with 5 Pin DIN Plug.

Code: [27-1633](#)

Product Group: [Pressure Measurement](#), [Tri-Flex 2](#)
[One-Cell Permeability Test System](#), [Pressure](#)
[Transducer](#)

Pressure Transducers are used to measure the cell, pore and back pressures during triaxial testing. Assemblies are supplied complete with a de-airing block, valve, 5-pin DIN plug connector and calibration certificate

Specification

Construction	Stainless Steel
Excitation	10 V DC
Output	143 mV full range
Thread	1/4" BSP



Volume Change Transducer Assembly 80ml Capacity Maximum Working Pressure 1700KPa

Code: 27-1641

Product Group: [Volume Change Measurement](#),
[Tri-Flex 2 One-Cell Permeability Test System](#), [Volume Change Measurement](#), [Volume Change Transducer](#)

- Reversing valves to increase capacity
- Steel case for wall mounting and access to piping
- Supplied complete with calibration certificate

The Volume Change Transducer provides continuous measurements of volume change during the triaxial test. The assembly includes a valve to reverse the flow through the unit, providing increased capacity.

Specification

Maximum Pressure	250 psi (1,700 kPa).
Excitation	10V DC.
Output	1.25 Volts full range.
Capacity	80 cc x 0.1 cc sensitivity.
Case	Steel; hinged for access to piping.
Connector	5-Pin DIN type.
Overall Dimensions	9" w. x 7" d. x 14 -1/2" h. (229 x 178 x 368 mm).
Weight	Net 11 lbs. (5 kg).



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.



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

Code: [27-1763](#)

Product Group: [DS7, DS7.2 CU/CD Effective Stress Triaxial Software](#)

- Complete package for consolidated drained and consolidated undrained triaxial tests

This advanced package includes procedures for consolidated drained and consolidated undrained tests. Standard options are available for saturation, consolidation and shearing with automatic monitoring of the various parameters through transducers linked to the system. Load, strain, volume-change, pore-pressure, cell pressure and back pressure can all be monitored. Various prints and graphical plots are available to the engineer and include saturation data such as pore pressure build-up and B values, consolidation, volume change against time, shearing load versus strain with pore pressure monitoring.



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

Product Sheet

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



Shear Force
Vertical Load

Dimensions

Weight

between 0.000001"
(0.00001 mm) to 0.399999"
(9.99999
mm) per minute.
1,000 lbf. (4.5 kN) maximum.
2,200 lbf. (10.0 kN) using 10:1
lever ratio.
44.7" l. x 12 .6" w. x 49.6" h.
(1,135 x 320 x 1,260 mm).
Net 181 lbs. (82 kg).

Accessories



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: [25-0440](#)



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

Code: [78-0264](#)



Digital Proving Ring, 450 lbs (2.0 kN)

Code: [78-0064](#)



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

Code: [27-1697](#)



Mechanical Dial Indicator - 25 mm Range Clockwise Movement

Code: [88-4110](#)



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

Code: [27-1551](#)



Set of Weights 50 kg Slotted.

Code: [26-2132](#)



Shear Box Assembly 100mm Sq.

Code: [26-2197](#)



Shear Box Assembly 2.5 Inch Diameter

Code: [26-2213](#)



Shear Box Assembly 60mm Sq.

Code: [26-2181](#)



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

Code: [27-1689](#)



Weight Set A

Code: [25-0535](#)



Weight Set B

Code: [25-0537](#)

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

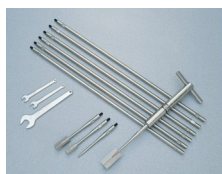
Code: [25-0445](#)

Alternatives



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 110-120V 50/60Hz 1Ph.

Code: [26-2114/02](#)



H60 Field Inspection Vane Tester 0-200Kpa In Carrying Case. includes calibration and certificates.

Code: [26-3335](#)



Hand Vane Tester

Code: [26-3346](#)



Laboratory Vane Apparatus with 4 Springs and 12.7mm Vane; Hand Operated.

Code: [26-2270](#)



Pocket Shearmeter with 3 Vanes 0 to 1Kgf/Cm2 X 0.5Kgf/Cm2.

Code: [26-2261](#)



Set of Weights 50 kg Slotted.

Code: [26-2132](#)

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

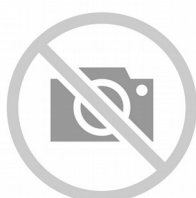
Normal stress is applied to the specimen through the lever loading device and the appropriate slotted weights

Accessories



Slotted Surcharge Weight 0.25 kg

Code: [26-2147](#)



Slotted Surcharge Weight 0.5 kg.

Code: [26-2145](#)



Slotted Surcharge Weight 1 kg.

Code: [26-2143](#)



Slotted Surcharge Weight 10 kg.

Code: [26-2137](#)



Slotted Surcharge Weight 2 kg.

Code: [26-2141](#)



Slotted Surcharge Weight 5 kg.

Code: [26-2139](#)

Alternatives



Slotted Surcharge Weight 0.25 kg

Code: [26-2147](#)



Slotted Surcharge Weight 0.5 kg.

Code: [26-2145](#)



Slotted Surcharge Weight 1 kg.

Code: [26-2143](#)



Slotted Surcharge Weight 10 kg.

Code: [26-2137](#)



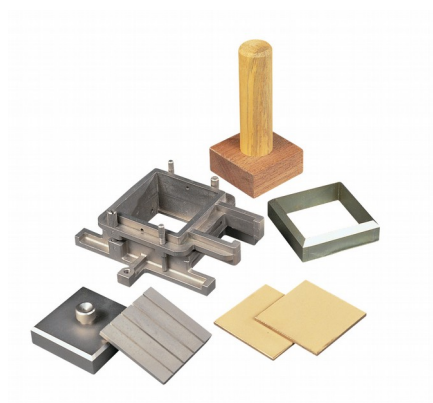
Slotted Surcharge Weight 2 kg.

Code: [26-2141](#)



Slotted Surcharge Weight 5 kg.

Code: [26-2139](#)



Shear Box Assembly 60mm Sq.

Code: [26-2181](#)

Product Group: [Shear Box Assemblies](#), [Shear Box Assemblies](#)

- Manufactured from corrosion resistant materials
- Sample size 60 x 60mm x 25mm high meeting BS 1377
- Incorporates PTFE faced box separation screws to reduce friction
- Supplied complete with upper and lower porous plates and loading pad
- Suitable for quick undrained or drained/residual tests

Standards

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

Further Information

All shearbox assemblies are designed to fit the carriage of 26-2114 series Digital Direct/Residual Shear Apparatus. They are supplied complete with three porous plates, one retaining plate and a loading pad. The three sizes supplied comply with the relevant requirements of BS 1377 and ASTM D3080. All assemblies can be used for quick shear tests or drained/residual shear tests.

Optional accessories are available including specimen cutters and extrusion tools.

Specification

Specimen area	60 x 60 mm
Specimen thickness	25 mm
Weight kg	2
Relevant standard	BS 1377

Accessories



Shear Box Assembly 100mm Sq.

Code: [26-2197](#)

Spares/Consumables



Porous Plate 60mm Sq.

Code: [26-2181/10](#)



Specimen Cutter 60mm Sq.

Code: [26-2185](#)



Specimen Extrusion Tool 60 mm sq.

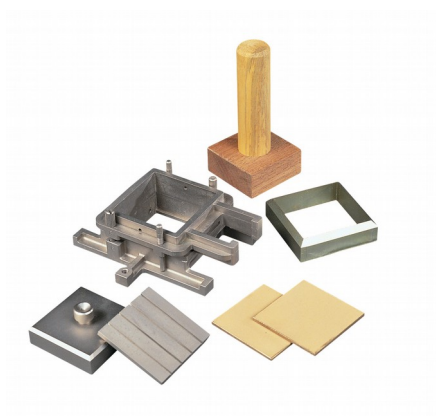
Code: [26-2189](#)

Alternatives



Shear Box Assembly 100mm Sq.

Code: [26-2197](#)



Specimen Cutter 60mm Sq.

Code: [26-2185](#)

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

Standards

ASTM D3080, AASHTO T236

Accessories



Shear Box Assembly 60mm Sq.

Code: [26-2181](#)

Spares/Consumables



Specimen Cutter 100mmsq.

Code: [26-2201](#)



Specimen Cutter 2.5 Inch Diameter.

Code: [26-2217](#)

Alternatives



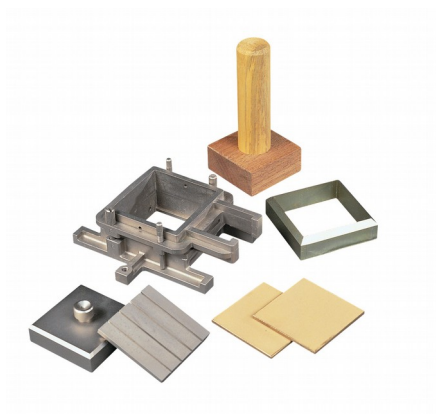
Specimen Cutter 100mmsq.

Code: [26-2201](#)



Specimen Cutter 2.5 Inch Diameter.

Code: [26-2217](#)



Specimen Extrusion Tool 60 mm sq.

Code: [26-2189](#)

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

Standards

ASTM D3080, AASHTO T236

Accessories



Shear Box Assembly 60mm Sq.

Code: [26-2181](#)

Spares/Consumables



Specimen Extrusion Tool 2.5 Inch Diameter.

Code: [26-2221](#)

Alternatives



Specimen Extrusion Tool 2.5 Inch Diameter.

Code: [26-2221](#)



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

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

- 4 channel automatic control and data-logging unit
- Automatic, dual-frame control
- Performs CBR, Marshall, Unconfined Compression, Direct and Residual Shear, One-Dimensional Consolidation and Unconsolidated Undrained tests
- LAN connection - software can be running anywhere on your server
- Never lose data from power fails - 2 gigabytes of non-volatile memory
- Extended warranty

The Data System Unit (DSU) is a versatile instrument designed to accommodate the general logging requirements of geotechnical and materials testing engineers. Its intelligent interface allows the user to work with a range of different sensors.

Further Information

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

DS MODE

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

DU MODE

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

OVERVIEW

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

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

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

This product is now available in the USA and Canada!

Accessories



Cable, Safety/ID

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



Dual Frame Comms Cable

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



PC Cable

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

Alternatives



DSU Electronic Readout and Control System 110 V AC 60 Hz

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



Marshall Test 50

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



Marshall Test 50

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



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

Code: [27-1561](#)

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

- 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](#)



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

Code: [27-1689](#)
Product Group: [Displacement Transducers,](#)
[Measurement of Horizontal and Vertical Movement,](#)
[Displacement Measurement](#)

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.

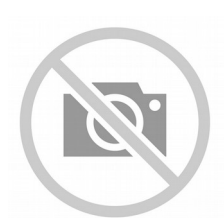
Code: 27-1617



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](#)



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

Code: [27-1697](#)

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

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

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

Specification

Construction	Fully encapsulated electronics, sealed in a stainless steel case
Excitation	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](#)

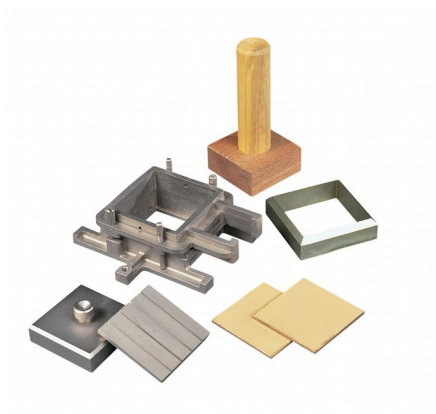


DS7.2 Direct and Residual Shear Strength Program for Windows 7, 32/64 bit

Code: [27-1793](#)

Product Group: [DS7](#), [DS7.2 Direct/Residual Shear Software](#), [Automatic Data Acquisition - Direct Shear](#)

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.



Porous Plate 60mm Sq.

Code: [26-2181/10](#)

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

Standards

ASTM D3080, AASHTO T236

Accessories



Shear Box Assembly 60mm Sq.

Code: [26-2181](#)

Spares/Consumables



2.42" Diameter Porous Stone

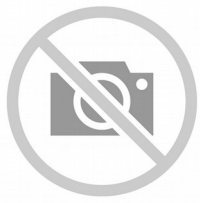
Code: [26-2223/10](#)



Porous Plate 2.5 Inch Diameter

Code: [26-2213/10](#)

Alternatives



2.42" Diameter Porous Stone

Code: [26-2223/10](#)



Porous Plate 2.5 Inch Diameter

Code: [26-2213/10](#)



100mm Sand Pouring Cylinder.

Code: [29-4000](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



100mm Calibrating Container 100mm Id X 150mm deep with 200mm dia rim.

Code: [29-4020](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



Metal Tray 300mm Sq. X 40mm deep with a 100mm dia hole.

Code: [29-4040](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



Evaporating Dish - 150 x 45 mm

Code: [82-2000](#)

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

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

Further Information

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



Shrinkage Dish.

Code: [24-1550](#)

Product Group: [Shrinkage Prong Plate](#), [Volumetric Shrinkage](#)

Nominal 42 mm diameter x 12 mm deep.

Standards

ASTM D427, AASHTO T92

Accessories



Evaporating Dish - 150 x 45 mm

Code: [82-2000](#)



Measuring Cylinder - Glass 100 ml

Code: [82-0380](#)

Alternatives



Glass Cup.

Code: [24-1600](#)



Prong Plate.

Code: [24-1500](#)



Glass Cup.

Code: [24-1600](#)

Product Group: [Shrinkage Prong Plate](#), [Volumetric Shrinkage](#)

Nominal 70 mm diameter x 50 mm deep.

Standards

ASTM D427, AASHTO T92

Accessories



Evaporating Dish - 100 x 40 mm

Code: [82-1970](#)



Measuring Cylinder - Glass 100 ml

Code: [82-0380](#)

Alternatives



Prong Plate.

Code: [24-1500](#)



Shrinkage Dish.

Code: [24-1550](#)



Prong Plate.

Code: [24-1500](#)

Product Group: [Shrinkage Prong Plate, Volumetric Shrinkage](#)

Made of acrylic plastic fitted with three prongs, nominal 76 mm square and 2.4 mm thick.

Standards

BS 1377, ASTM D427, AASHTO T92

Specification

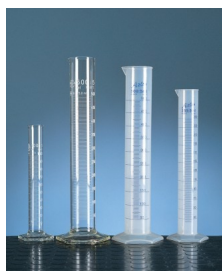
Construction	Acrylic plastic with 3 metal prongs.
Dimensions	3" square x 1/8" thick (76 x 3.2 mm).
Weight	Net 1 oz. (28 g).

Accessories



Evaporating Dish - 150 x 45 mm

Code: [82-2000](#)



Measuring Cylinder - Glass 100 ml

Code: [82-0380](#)

Alternatives



Glass Cup.

Code: [24-1600](#)



Shrinkage Dish.

Code: [24-1550](#)



Spatula 100 mm

Code: [81-0100](#)

Product Group: [Spatulas](#)

Further Information

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



Measuring Cylinder - Glass 250 ml

Code: [82-0420](#)

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

Soda glass, spouted, BS EN 4788.

Further Information

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



Shrinkage Mould to BS 1377

Code: [24-1800](#)

Product Group: [Linear Shrinkage](#)

To produce a specimen 140 mm long x 12.5 mm radius.

Standards

BS 1377

Accessories



Vernier Caliper Range 0 to 200mm X 0.02mm.

Code: [81-0588](#)



Vernier Caliper Range 0 to 200mm X 0.02mm.

Code: [81-0588](#)

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

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

Standards

EN 933-4, BS 1377



Semi-Automatic Cone Penetrometer

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

Product Group: [Semi-Automatic Cone Penetrometer](#),
[Semi-Automatic Cone Penetrometer](#)

Bench mounted apparatus to determine the liquid limit of soils to 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.

Incorporates Digital Automatic controller, which releases the plunger head and ensures free falling of the penetration device during the test. The time set is displayed by a bright easy to read display.

Standards

BS 1377, BS 1924-2, EN 1997-2

Specification

Dial Indicator	150 mm diameter graduated in 400 x 0.1 mm divisions. Indicator incorporates a friction/gear system.
Height	Adjustable using rapid integral clamping mechanism.
Cone Release Cone	Semi-Automatic 1 x 30°, 35 mm test cone included.
Base	Cast aluminum with adjustable leveling feet.
Weight	Net 19 lbs. (8.64 kg).

Accessories



Penetration Test Cup.

Code: [24-0548](#)



Test Gauge for Checking Condition of Cone Point.

Code: [24-0546](#)

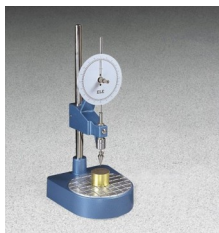
Spares/Consumables



Penetration Test Cone

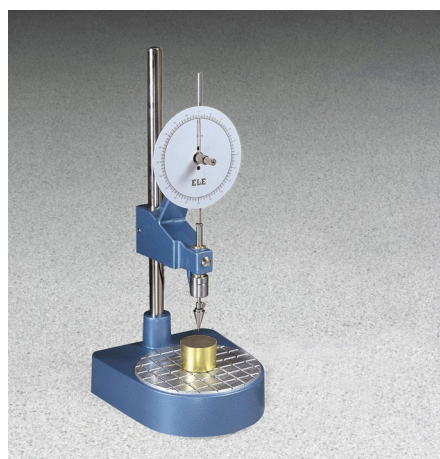
Code: [24-0544](#)

Alternatives



Cone Penetrometer. Complete with Stainless Steel Test Cone.

Code: [24-0540](#)



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](#)



Test Gauge for Checking Condition of Cone Point.

Code: [24-0546](#)

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

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

Standards

BS 1377-2



Penetration Test Cup.

Code: [24-0548](#)

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

Brass construction, 55mm dia x 4mm depth to fit BS1377

Standards

BS 1377-2



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

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

Product Group: [Mechanical Analysis Stirrer](#)

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

Standards

BS 1377, ASTM D422, AASHTO T88

Accessories



Sodium Hexametaphosphate 500G.

Code: [24-4145](#)

Spares/Consumables



Mixing Paddle for 24-4125 Series High Speed Stirrer

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



Soil Dispersion Cup & Baffle.

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



Sodium Hexametaphosphate 500G.

Code: [24-4145](#)

Product Group: [Sodium Hexametaphosphate,](#)
[Mechanical Analysis Stirrer](#)

Standards

ASTM D422, AASHTO T88, ASTM E100

Spares/Consumables



Solid Rubber Stopper

Code: [4699-0881](#)



Constant Temperature Bath 5 to 99.9 Deg.C X 0.1 Deg.C with Led Display and False Base Support.

Code: [24-4865/01](#)

Product Group: [Constant Temperature Bath](#)

This compact, bench-top stirrer is used for dispersing soil samples in water for hydrometer analysis. The stirrer is supplied complete with Mixing Paddle and Dispersion Cup. Weight 4 kg.

Further Information

Specially designed for the sedimentation testing of soils and other fine grained material, the bath is supplied with a false bottom to assist in circulation of the bath liquid. Will accommodate six Sedimentation Cylinders.

Specification

Dimensions (l x w x h)	535 x 210 x 610 mm external
Capacity	Holds up to 6 sedimentation cylinders
Construction	Stainless steel with toughened glass front
Temperature Control	Heater/thermostat/circulation with digital controller unit 5 to 99.9 Deg.C X 0.1 Deg.C
Power	1500 watts
Weight kg	12



Sand Equivalent Apparatus ASTM Aashto with Carrying Case.

Code: [24-4919](#)

Product Group: [Sand Equivalent Value, Sand Equivalent Value](#)

Set Includes:

- 4 Plastic measuring cylinders
- 1 Carrying case
- 1 Weighted foot assembly
- 1 Irrigator tube
- 1 Rubber tubing complete with pinch clip
- 1 Funnel.

Standards

ASTM D2419, AASHTO T176

Accessories



5 Litre Syphon Assembly with Connection for 5mm Id Tubing.

Code: [24-4925](#)



Calcium Chloride 2.5Kg.

Code: [24-4930](#)



Formaldehyde 40% Aqueous Solution 2.5 Litre.

Code: [24-4932](#)



Glycerol Analar 2.5 Litre

Code: [24-4934](#)



5 Litre Syphon Assembly with Connection for 5mm Id Tubing.

Code: [24-4925](#)

Product Group: [Sand Equivalent Value](#), [Sand Equivalent Value](#)

With 5 litre polythene bottle. Supplied without rubber tubing.

Standards

ASTM D2419, AASHTO T176

Further Information

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



Calcium Chloride 2.5Kg.

Code: 24-4930

Product Group: Sand Equivalent Value, Sand
Equivalent Value

Standards

ASTM D2419, AASHTO T176

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Formaldehyde 40% Aqueous Solution 2.5 Litre.

Code: [24-4932](#)

Product Group: [Sand Equivalent Value](#), [Sand Equivalent Value](#)

40% solution

Standards

ASTM D2419, AASHTO T176

Further Information

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



Glycerol Analar 2.5 Litre

Code: [24-4934](#)

Product Group: [Sand Equivalent Value](#), [Sand Equivalent Value](#)

2.5 litres

Standards

ASTM D2419, AASHTO T176

Further Information

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



Motorised Sand Equivalent Shaker ASTM. 220-240VK 50Hz 1Ph.

Code: [24-4945/01](#)

Product Group: [Sand Equivalent Value](#), [Sand Equivalent Value](#)

Bench mounting mechanical sand equivalent shaker with a stroke of 203mm (8 inches) and a running frequency of 175 cycles per minute. The integral timer stops shaker upon test completion. For use on 220-240v 50Hz 1ph.

Further Information

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

Recommended for use in laboratories performing a large number of tests, motorised shakers provide a consistent and repeatable oscillation, minimising variation in test results.



Motorised Liquid Limit Device W/ Counter BS 220-240V 50Hz 1Ph.

Code: [24-0417/01](#)

Product Group: [Casagrande Method](#)

Complete with revolution counter and motor.

Standards

BS 1377-2

Accessories



Glass Plate.

Code: [24-0430](#)



Grooving Tool and Gauge B.S.

Code: [24-0425](#)

Alternatives



Liquid Limit Device BS with Counter. C/W Metal Grooving Tool & Test Gauge.

Code: [24-0410](#)



Grooving Tool and Gauge B.S.

Code: [24-0425](#)

Product Group: [Casagrande Method](#)

Constructed to British Standards.

Standards

BS 1377-2



Glass Plate.

Code: [24-0430](#)

Product Group: [Casagrande Method, Determination of Plastic Limit](#)

500 mm square x 10 mm thick.

Standards

BS 1377-2