



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

This wishlist was generated on 06/01/2017, and contains the following Products:

34-0180

Slump Cone Funnel

34-4570

150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

34-2910

Compacting Bar 25mm Sq X 380mm

81-0340

Float - Plasterer's type

29-4100

150mm Sand Pouring Cylinder.

29-4120

150mm Calibrating Container 150mm Id X deep with 250mm dia rim.

29-4140

Metal Tray 300mm Sq X 40mm deep with a 150mm dia hole.

29-5000

Density Spoon.

29-5020

Soft Headed Mallet.

29-5040

Club hammer

29-3720

Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).

29-3720/10

Spare Cone for Dynamic Cone Penetrometer.

46-3310/01

Cleveland Flash Cup Apparatus

47-0202

Digital Asphalt Thermometer

47-0202/14

Surface Probe

46-4150/01

Rolling Thin-Film Oven 220-240V 50/60 Hz

78-5405/01

Electronic Balance - 620 g x 0.001 g

81-3000

Sample Container - Tinned Steel 0.5 litres

81-2979

Moisture Content Tin

46-5290

Standard Penetrometer

46-5340/C

Penetration Needle

46-5295/01

Semi-Automatic Penetrometer

46-5800

Transfer Dish

46-5860

Penetration Tin

46-5861

Penetration Tin

46-5500/01

Constant Temperature Bath 21 - 56°C

82-5311

Surface Thermometer

46-4605

BS/EN Ring and Ball Apparatus

82-5270

Non Hazardous Glass Thermometers -1 - +51°C

82-5272

Thermometer

82-5274

Thermometer

46-4825/01

Magnetic Stirrer

45-6310

Compaction Mould

45-6310/10

Compaction Mould Body

45-6410

Compaction Pedestal BS 598

45-6460

Compaction Hammer

45-6462

Paper Discs

45-6463

Steel Block

45-6600/01

AutoComp 100-A

45-6810/01

Marshall Test 50

27-1300/01

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

45-6820/11

Flow Transducer

27-1559

50kN S-type Load Cell

Contents

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



45-6850

Breaking Head (Marshall)

45-6880

Flow Meter BS/EN

23-6191/01

**Bench-Mounting Mixer 5 Litre Capacity Complete with Bowl Beater and Whisk.
220-240V 50Hz 1Ph.**

45-5580/01

Isomantle Electric Heater

45-3815/01

Rotatest 3000

45-3807

Filter Discs Pack of 100

78-3104/01

Digital Hotplate



Slump Cone Funnel

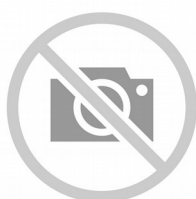
Code: [34-0180](#)

Product Group: [Slump Cones](#), [Portable Slump Test Set](#), [Slump Test Set](#), [Slump Test](#)

Standards

ASTM C143, ASTM C192, AASHTO T23, AASHTO T119, ASTM T126

Accessories



Slump Cone Base

Code: [34-0150](#)

Alternatives



Slump Cone Base

Code: [34-0150](#)



150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: [34-4570](#)

Product Group: [Cube Moulds](#), [Cube Moulds](#)

4-part with clamp attached base plate.

Standards

BS 1881-108, EN 12390-1, EN 12390-2

Specification

Construction	Bolted sides and clamped base plate
Finish	Painted
Weight	42 lb (19.1 kg)

Accessories



Aluminium Scoop Large

Code: [81-0220](#)



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Float - Plasterer's type

Code: [81-0340](#)



Mould Oil (25 Litre Drum)

Code: [82-7341](#)



Wire Brush

Code: [81-0705](#)

Spares/Consumables



Soft Headed Mallet.

Code: [29-5020](#)

Alternatives



Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)

Product Group: [Accessories for Concrete Moulds,](#)
[Precision Air Entrainment Meter](#)

Steel, 380 x 25 mm (length x square) tamping area,
EN/BS.

Standards

EN 12390-1



Float - Plasterer's type

Code: [81-0340](#)

Product Group: [Trowels and Floats](#)

Further Information

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



150mm Sand Pouring Cylinder.

Code: [29-4100](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



150mm Calibrating Container 150mm Id X deep with 250mm dia rim.

Code: [29-4120](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



Metal Tray 300mm Sq X 40mm deep with a 150mm dia hole.

Code: [29-4140](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



Density Spoon.

Code: [29-5000](#)

Product Group: [Field density tools](#)

For removing soil from the hole



Soft Headed Mallet.

Code: [29-5020](#)

Product Group: [Field density tools](#)

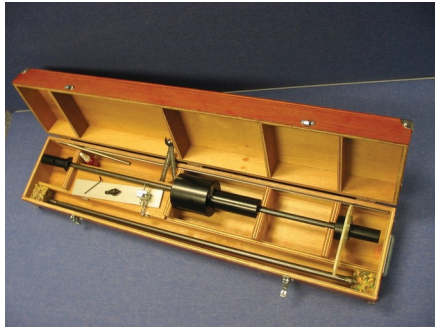


Club hammer

Code: [29-5040](#)

Product Group: [Permeability](#)

Steel head and strong wooden shaft



Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).

Code: [29-3720](#)

Product Group: [In-situ Testing](#)

The TRL (Transport Research Laboratory) Dynamic Cone Penetrometer (DCP) is used for rapid in-situ measurement of the structural properties of existing road pavement constructed with unbound materials. The unit incorporates an 8 kg weight with a drop of 575 mm, and a 20 mm diameter cone fitted to the end of the shaft, allowing measurements to be made down to a depth of approximately 850 mm.

Readings are usually taken after a set number of blows, changing the number according to the strength of the layer being penetrated. For good granular bases, readings every five to ten blows are satisfactory, but for weaker sub-base layers and subgrades, readings every one to two blows may be appropriate.

The DCP requires three operators, one to hold the instrument in a vertical position, one to raise the hammer and let it fall and one to record the results. A typical test takes only a few minutes, providing a very efficient method of obtaining information which would otherwise require the excavation of test pits. Where pavement layers have different strengths, boundaries can be identified and layer thickness determined.

Further Information

Supplied complete with all necessary tools, assembly and operating instructions.

Spares/Consumables



Spare Cone for Dynamic Cone Penetrometer.

Code: [29-3720/10](#)



Spare Cone for Dynamic Cone Penetrometer.

Code: [29-3720/10](#)

Product Group: [In-situ Testing](#)



Cleveland Flash Cup Apparatus

Code: [46-3310/01](#)

Product Group: [Cleveland Flash Cup Apparatus](#)

The ELE Semi-Automatic Cleveland Open Cup flashpoint Tester is equipped with an electrically heated cup (with a variable control to set temperature rise rate), a button operated and electrically driven sweep arm and a test flame for use on natural gas. Bench mounted, the unit is incorporated in an easy to clean stainless steel case.

Standards

BS 2000-36, EN ISO 2592, ASTM D92, IP 36

Further Information

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

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

Specification

Temperature Range	Ambient to 400°C
Power	500 W maximum
Ramp rate	Variable, manually controlled
Voltage	220/240 V, 50/60 Hz
Size (HxWxD)	33 x 31 x 29 cm
Weight	6.5 kg



Digital Asphalt Thermometer

Code: [47-0202](#)

Product Group: [Digital Asphalt Thermometer](#)

Comprises a hand-held digital thermometer with an operating range of -99 to +1372 °C with a switchable resolution between 0.1 and 1.0 °C. Operates on a 9V battery and utilises K-type thermocouple sensors.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

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

Specification

Range	-50 to 1000°C
Resolution	Switchable 0.1 or 1.0°C
Weight	300 g

Accessories



250 Asphalt Probe

Code: [47-0202/10](#)



Breaking Head (Marshall)

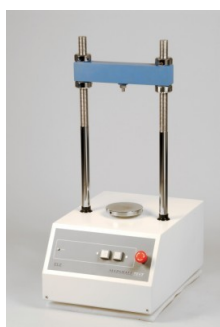
Code: [45-6850](#)



Vibrating Hammer

Code: [47-0455/01](#)

Alternatives



Marshall Test 50

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



Marshall Test 50

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



Surface Probe

Code: [47-0202/14](#)

Product Group: [Digital Asphalt Thermometer](#)

130 mm long Ribbon-Type surface probe with a maximum tip temperature of 500 °C.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

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

Specification

Max Reading	500°C
Length of probe	6 mm
Tip diameter (needle point)	4 mm



Rolling Thin-Film Oven 220-240V 50/60 Hz

Code: 46-4150/01

Product Group: [Asphalt and Bitumen Ovens](#)

The Rolling Thin-Film Oven (RTFO) procedure provides simulated short term aged asphalt binder for physical property testing. Asphalt binder is exposed to elevated temperatures to simulate manufacturing and placement ageing. The RTFO also provides a quantitative measure of the volatiles lost during the ageing process.

The exterior is constructed from sheet steel finished in an easy clean powder coated paint and the interior chamber is made from stainless steel.

The control system comprises of a microprocessor digital controller and overheat thermostat with calibrated scale and tamper-proof lock.

Further Information

- Complies to the requirements of ASTM D2872
- Internal dimensions (mm): 380 high x 480 wide x 440 deep
- External dimensions (mm): 800 high x 710 wide x 660 deep (add 40mm for door handle)
- Double wall construction with high density thermal insulation
- Non-rusting grade 304 stainless steel interior
- Easy clean powder painted steel exterior in light grey (RAL 7035) textured finish
- Top mounted fan constructed with an air plenum as described in ASTM D2872
- Fitted with a squirrel-type fan blade for better uniformity of air and temperature distribution
- Equipped with air jet for blowing heating air into each bottle at its lowest point of travel
- Base mounted elements
- Vented to atmosphere
- Single front opening, side hinged door with positive quarter turn latching mechanism
- Double glazed window in door for viewing the test chamber

Top mounted controls comprise:

- Dual display microprocessor digital control
- Independent overheat thermostat
- Mains switch
- Flow meter to control air flow
- Indicator lamps
- 1500 watts
- Supplied with built-in 305mm diameter vertical circulator carriage for 8 sample containers
- Glass samples rotate at 15 rpm \pm 0.2rpm (glass containers supplied separately)
- Temperature is controlled and pre-set at 163°C \pm 1°C

Specification

Max Temp (°C)	163°C \pm 1°C (preset)
Dimensions: Internal (HxWxD)	380 x 480 x 440 mm

Product Sheet

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



Dimensions: External (HxWxD)	800 x 710 x 660 mm
Insulation	Double wall
Internal material	304 stainless steel
Max power (W)	1500



Electronic Balance - 620 g x 0.001 g

Code: [78-5405/01](#)

Product Group: [Electronic Balances](#)

Further Information

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

Specification

Capacity resolution	620 g x 0.001 g
Pan size	125 x 125 mm
Mains and battery	No
Dimensions (l x w x h)	300 x 205 x 90 mm
Weight	6 kg



Sample Container - Tinned Steel 0.5 litres

Code: [81-3000](#)

Product Group: [Moisture Content Tin and Sample Containers](#)

Further Information

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



Moisture Content Tin

Code: [81-2979](#)

Product Group: [Moisture Content Tin and Sample Containers](#)

Further Information

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



Standard Penetrometer

Code: 46-5290

Product Group: [Asphalt Penetrometer](#), [Bitumen Penetration Test](#), [Penetration Test](#)

Penetration readings are quickly taken using this simple to operate apparatus. The 150 mm diameter dial is graduated in 400 divisions of 0.1 mm. Supplied without needles and penetration tins.

Standards

BS 2000-49, EN 1426, EN 13179-2, IP 49, ASTM D5, AASHTO T49

Further Information

Model shown with sample container; not included, order separately.

Specification

Dial Indicator	6" (150 mm) diam.; 400 mm x 0.1 mm.
Plunger Weight	47.5 g.
Needle	ASTM Style (non-certified); one included.
Plunger Release Weight	Manual mechanism. Net 18 lbs. (8.2 kg).

Accessories



ASTM (NIST Certified) Penetration Needle

Code: 46-5297



Constant Temperature Bath 21 - 56°C

Code: 46-5500/01



Penetration Needle

Code: [46-5360/10](#)



Penetration Tin

Code: [46-5861](#)



Penetration Tin

Code: [46-5860](#)



Timer Clock

Code: [81-0518](#)



Transfer Dish

Code: [46-5800](#)

Spares/Consumables



ASTM (Non-Certified) Penetration Needle

Code: [46-5290/10](#)



Penetration Needle

Code: [46-5340/C](#)

Product Group: [Penetration Test](#)

Hardened steel, supplied with an UKAS verification certificate. For testing to BS 2000-49 and ASTM D5. (Pack contains 1 needle only).

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

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



Semi-Automatic Penetrometer

Code: [46-5295/01](#)

Product Group: [Penetration Test](#)

As 46-5290 but incorporates Digital Automatic Controller which releases the needle assembly. The time set is displayed by a bright, easy to read display.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

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

Accessories



Constant Temperature Bath 21 - 56°C

Code: [46-5500/01](#)



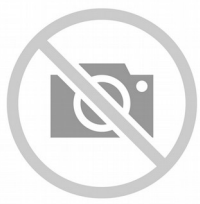
Penetration Needle

Code: [46-5360/10](#)



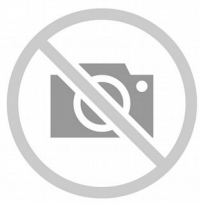
Penetration Needle

Code: [46-5340/C](#)



Penetration Tin

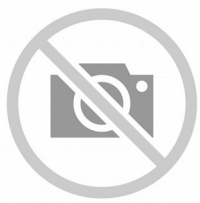
Code: [46-5861](#)



Transfer Dish

Code: [46-5800](#)

Spares/Consumables



ASTM (Non-Certified) Penetration Needle

Code: [46-5290/10](#)



Transfer Dish

Code: [46-5800](#)

Product Group: [Bitumen Penetration Test](#), [Asphalt Penetrometer](#), [Penetration Test](#)

For use with ELE Penetrometer 46-5295.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49



Penetration Tin

Code: [46-5860](#)

Product Group: [Penetration Test](#)

For penetrations between 200 and 350,
approximately 70 mm diameter x 45 mm deep.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

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



Penetration Tin

Code: [46-5861](#)

Product Group: [Penetration Test](#)

For penetrations below 200, approximately 55 mm diameter x 35 mm deep.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

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



Constant Temperature Bath 21 - 56°C

Code: [46-5500/01](#)

Product Group: [Penetration Test](#)

A bench mounting bath specially designed for the conditioning of bitumen samples prior to penetration tests. Incorporating a highly accurate thermostat, the bath maintains a temperature between 21 and 56°C \pm 0.1°C (at ambient). An integral cover and deep tray for penetration testing are supplied as standard.

Further Information

Not available for sale in the USA



Surface Thermometer

Code: [82-5311](#)

Product Group: [General-purpose Thermometers](#)

Flat surface type with approximately 64 mm diameter dial. Accuracy $\pm 3^{\circ}\text{C}$. Range 0 - $+160^{\circ}\text{C}$.

Further Information

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



BS/EN Ring and Ball Apparatus

Code: [46-4605](#)

Product Group: [Ring and Ball Apparatus](#)

With 2 shouldered pattern rings, 2 ball-centring guides and 2 balls. The apparatus has a support frame and is retained in a heat resistant container.

Standards

EN 1427, BS 2000-58, UNI 4161, UNE 7111, DIN 52011, NFT66-008, AASHTO T53, ASTM D36, BS 2000

Further Information

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

Accessories



Magnetic Stirrer

Code: [46-4825/01](#)



Thermometer

Code: [82-5272](#)



Thermometer

Code: 82-5274



Non Hazardous Glass Thermometers -1 - +51°C

Code: [82-5270](#)

Product Group: [Non Hazardous Glass Thermometers](#)

0.1°C divisions + total immersion

Further Information

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



Thermometer

Code: [82-5272](#)

Product Group: [Ring and Ball Apparatus, Non Hazardous Glass Thermometers](#)

Mercury-free with a range of -10.0°C to + 210.0°C and graduated every 1°C. Immersion up to 76 mm

Standards

EN 1427, BS 2000-58

Further Information

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



Thermometer

Code: [82-5274](#)

Product Group: [Ring and Ball Apparatus, Non Hazardous Glass Thermometers](#)

Mercury-free with a range of -10.0°C to + 210.0°C and graduated every 1°C. Total immersion possible.

Standards

EN 1427, BS 2000-58

Further Information

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



Magnetic Stirrer

Code: [46-4825/01](#)

Product Group: [Ring and Ball Apparatus](#)

Utilises a rotating magnetic field to induce variable speed stirring action. A built-in regulating transformer provides fine temperature control of liquid up to a maximum temperature of +150°C. The unit is suitable for use with the Ring and Ball Apparatus.

Standards

EN 1427, BS 2000-58

Further Information

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



Compaction Mould

Code: 45-6310
Product Group: Asphalt Compaction Mould,
Accessories for manual and automatic compaction
Comprising of mould body, baseplate and combined
filling/extraction collar.

Standards

EN 12697-30, ASTM D6926, AASHTO T245

Specification

Construction	Machined seamless steel forming mold; base and collar.
Finish	Plated for rust resistance.
Dimensions	4" (101.6 mm) i.d. x 3" (76.2 mm) internal h. with base.
Weight	Net 6 lbs. (2.7 kg).

Alternatives



AutoComp 100-A

Code: [45-6600/01](#)



Compaction Mould Body

Code: [45-6310/10](#)

Product Group: [Accessories for manual and automatic compaction](#)

Accepts baseplate and filling/extraction collar of 45-6310 compaction mould.

Standards

EN 12697-30

Further Information

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

Accessories



Steel Block

Code: [45-6463](#)



Compaction Pedestal BS 598

Code: [45-6410](#)

Product Group: [Manual Compaction](#)

Comprising a 300 mm sq x 25 mm thick steel plate complete with 4 tie rods and securing nuts. A mould clamp and hammer guide are fitted to the plate. The unit is supplied complete with a laminated hardwood block.

Standards

EN 12697-30

Further Information

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



Compaction Hammer

Code: 45-6460
Product Group: Manual Compaction, Stability
Compaction Hammer

Satisfies BS 598. The hammer has a 4535 g sliding weight with a free fall of 457 mm.

Standards

EN 12697-30, ASTM D6926, AASHTO T245

Specification

Tamping Face	3-7/8" (98 mm) diam.
Hammer	10 lb. (4.54 kg).
Drop	18" (457 mm).
Construction	Machined steel; cast aluminum handle.
Weight	Net 16 lbs. (7.2 kg).



Paper Discs

Code: [45-6462](#)

Product Group: [Filter Paper Discs, Accessories for manual and automatic compaction](#)

Non-absorbent, 99 mm diameter, pack of 100.

Standards

EN 12697-30

Specification

Weight

Net 2.9 oz. (82 g).



Steel Block

Code: [45-6463](#)

Product Group: [Accessories for manual and automatic compaction](#)

100 mm diameter x 50 mm height. For heating the compaction hammer foot.

Standards

EN 12697-30

Further Information

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

Accessories



Water Bath

Code: [45-6490/01](#)

Spares/Consumables



Baseplate

Code: [45-6310/11](#)



Compaction Mould Body

Code: [45-6310/10](#)

Alternatives



Water Bath

Code: [45-6490/01](#)



AutoComp 100-A

Code: 45-6600/01

Product Group: Automatic Compaction

- Fully automatic, simple to operate
- Built-in safety features
- Uniform compaction
- Automatic blow counter

This ruggedly constructed automatic compactor provides a consistent and even degree of compaction. The unit incorporates a compaction pedestal comprising a laminated hardwood block secured to a concrete base by a 300 mm square x 25 mm thick steel plate. The mechanism lifts the 4535 g hammer and automatically releases it at the specified height of 457 mm. The conveniently positioned control fascia panel comprises of a mains light, start and stop buttons and a direct-reading counter used to set the required number of blows.

During operation the AutoComp 100-A automatically counts down to zero. Dual rammer pick-ups have been incorporated, reducing stress on the machine's internal mechanism.

Particular attention has been paid to operator safety by the inclusion of various in-built safety features.

Standards

EN 12697-10, EN 12697-30, BS 598

Further Information

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

Specification

Dimensions (l x w x h)	535 x 535 x 1880 mm
Compaction foot diameter	98.52 mm

Product Sheet

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



Sliding weight	4535 g
Height of drop	457 mm
Weight	278 kg

Accessories



Digital Hotplate

Code: [78-3104/01](#)



Paper Discs

Code: [45-6462](#)



Sample Tray - 306 x 306 x 38 mm

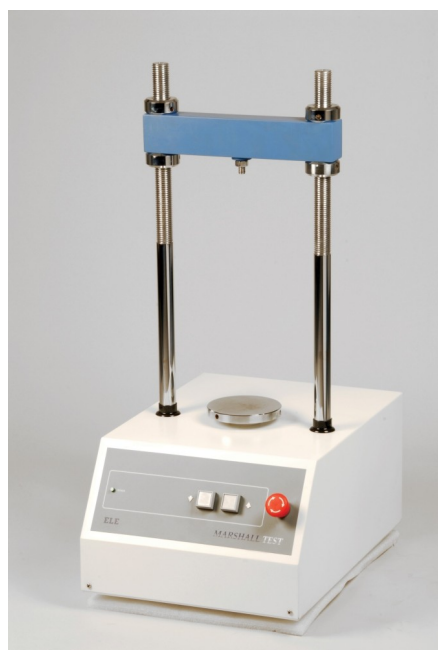
Code: [81-4020](#)

Alternatives



Compaction Mould

Code: [45-6310](#)



Marshall Test 50

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

Product Group: [Marshall Load Frames](#)

- Geared screwjack and motor drive
- Precise speed
- Internal limit switch for both directions of travel
- Easy to use controls

This bench-mounting mechanical load frame is ruggedly constructed to encompass the strain and loads involved with the test. The unit is compact in size and can be quickly installed on a bench top, requiring only a power point. It has been designed for simple operation, is easy to clean and requires minimum maintenance.

Standards

EN 12697-34

Further Information

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

Load frame, 50 kN capacity. Supplied without Breaking Head. For 220 - 240 V AC, 50 Hz, 1 ph.

Accessories



250 Asphalt Probe

Code: [47-0202/10](#)



30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)



50kN Clamped Boss Load Ring

Code: [78-0860](#)



50kN S-type Load Cell

Code: [27-1559](#)



Breaking Head (Marshall)

Code: [45-6850](#)



Flow Meter BS/EN

Code: [45-6880](#)

Alternatives



Digital Asphalt Thermometer

Code: [47-0202](#)



DSU Electronic Readout and Control System 110 V AC 60 Hz

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



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

Code: [27-1300/01](#)



Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens

Code: [23-4200](#)



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

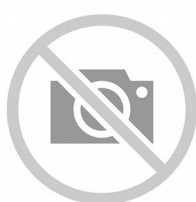
- Touch Screen data entry for standalone operation, Marshall/CBR/Quick un-drained

- 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](#)



Flow Transducer

Code: [45-6820/11](#)

Product Group: [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#)

Pre-calibrated, for use with 45-6850 Breaking Head.

Standards

EN 12697-34

Further Information

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



50kN S-type Load Cell

Code: [27-1559](#)

Product Group: [Load Measurement](#), [Force measurement](#), [Electronic Instrumentation](#), [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](#)



Breaking Head (Marshall)

Code: [45-6850](#)

Product Group: [Accessories for the Marshall test](#)

Complete with gauge disc. Supplied without flow meter.

Standards

EN 12697-34

Accessories



250 Asphalt Probe

Code: [47-0202/10](#)



30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)



50kN S-type Load Cell

Code: [27-1559](#)

Alternatives



250 Asphalt Probe

Code: [47-0202/10](#)



30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)



50kN S-type Load Cell

Code: [27-1559](#)



Flow Meter BS/EN

Code: [45-6880](#)

Product Group: [Accessories for the Marshall test](#)

Dial gauge graduated 0.01 mm with 25 mm travel.
Supplied with stem brake unit and flow meter pedestal.

Standards

EN 12697-34

Further Information

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



Bench-Mounting Mixer 5 Litre Capacity Complete with Bowl Beater and Whisk. 220-240V 50Hz 1Ph.

Code: [23-6191/01](#)

Product Group: [Sample Mixers](#), [Mixing](#), [Sample Mixers](#)

The mixer has two electrically switched mixing speeds which obviates the need to switch off during speed selection. The mixing head comprises a beater which contra-rotates about a central shaft using planetary gearing. A lever-acting lifting device facilitates the insertion and removal of the bowl. This mixer is suitable for the mixing of soil samples, mortar, bituminous mixtures and associated materials where comparatively small samples are being prepared. Supplied with stainless steel bowl, beater and whisk.

Standards

BS 598-107, BS 1377-1, BS 1924-1

Further Information

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

Specification

Dimensions	545 x 380 x 550 mm
Beater Speeds (rpm) low, intermediate, high	136, 281, 580
Central shaft speeds (rpm) low, high	60, 124, 255
Rated power	500 W
Weight	20.2 kg

Accessories



Isomantle Electric Heater

Code: [45-5580/01](#)

Spares/Consumables



Stainless Steel Bowl 4.73 Litres.

Code: [23-6191/10](#)



Isomantle Electric Heater

Code: [45-5580/01](#)

Product Group: [Sample Mixers](#), [Mixing](#), [Sample Mixers](#)

For use with 23-6191 Bench Mounting Mixer.

Standards

EN 12697-35

Further Information

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



Rotatest 3000

Code: [45-3815/01](#)

Product Group: [Asphalt Centrifuge Extractors](#)

Centrifuge extractor used to determine the quantitative amount of bitumen in bituminous paving mixtures. Variable speed control from 0 to 3600 rpm through the front panel mounted control knob and brake control included for rapid deceleration.

Precision machined aluminium removable cover with integral cup for adding solvent, with sealed cast aluminium housing.

For 220 V AC, 50 - 60 Hz, 1ph.

Standards

EN 12697-1, ASTM D2172, AASHTO T164

Further Information

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

3000 g capacity. Supplied with 100 Filter Discs. For 220 V AC, 50 - 60 Hz, 1ph.

Accessories



Bowl - 2.5 litre

Code: [81-5020](#)



Desiccator - Non-vacuum

Code: [82-2100](#)



Evaporating Dish - 100 x 40 mm

Code: [82-1970](#)



Filter Discs Pack of 100

Code: [45-3807](#)



Hotplate

Code: [78-2950/01](#)



Measuring Cylinder - Glass 100 ml

Code: [82-0380](#)



Measuring Cylinder - Glass 1000 ml

Code: [82-0500](#)



Sample Tray - 306 x 306 x 38 mm

Code: [81-4020](#)



Silica Gel

Code: [82-7091](#)



Volumetric Flask - 100 ml

Code: [82-1000](#)



Volumetric Flask - 1000 ml

Code: [82-1060](#)

Alternatives



Muffle Furnace

Code: [83-4170/01](#)

Product Sheet

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



Rotatest 1500

Code: [45-3810/01](#)



Filter Discs Pack of 100

Code: [45-3807](#)

Product Group: [Asphalt Centrifuge Extractors](#)

295 mm internal diameter with a 44 mm diameter hole.

Standards

EN 12697-1, ASTM D2172, AASHTO T164

Further Information

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



Digital Hotplate

Code: [78-3104/01](#)

Product Group: [Digital Hotplate](#)

Further Information

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

Specification

Dimensions	520 x 360 x 130 mm
Construction	Robust metal with anodised aluminium plate heated surface
Maximum temperature	300 x 1°C
Rated power	1500 W