

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

This wishlist was generated on 27/04/2018, and contains the following Products:

46-5290

Standard Penetrometer

46-5340/C

Penetration Needle

46-5360/10

Penetration Needle

46-5861

Penetration Tin

46-5800

Transfer Dish

46-4605

BS/EN Ring and Ball Apparatus

46-4825/01

Electrical Hotplate with Integral Magnetic Stirrer

82-0200

Beaker - 600 ml

81-0094

Support Assembly

46-3310/01

Cleveland Flash Cup Apparatus

46-4120

Ductility Testing Machine

45-6600/01

AutoComp 100-A

45-6463

Steel Block

45-6310

Compaction Mould

Contents

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



45-6462

Paper Discs

23-4200

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



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: [46-5860](#)



Penetration Tin

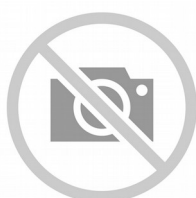
Code: [46-5861](#)



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****



Penetration Needle

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

Product Group: [Penetration Test](#)

Hardened steel.

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****



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



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



Electrical Hotplate with Integral Magnetic Stirrer

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



Thermometer

Code: [82-5272](#)



Thermometer

Code: [82-5274](#)



Electrical Hotplate with Integral Magnetic Stirrer

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

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

Circular-top analogue magnetic hotplate stirrer.

Speed controls for constant speed (even during load changes).

Anti-corrosive ceramic steel plate with excellent thermal conductivity.

Long life brushless motor.

High magnetic adhesion.

CE marked.

Standards

EN 1427, BS 2000-58

Further Information

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

Specification

Temperature range	Ambient-340 Deg.C
Stirring speed	0-1500 rpm
Max. Viscosity	40 cP/ mPas
Heating rate (1 litre water)	6K/min
Motor type	Brushless
Stirring capacity	20L
Plate diameter	5.3"
Plate material	Ceramic coated steel
Dimensions	11"L x 6 1/4"W x 3"H
Weight	6lbs



Beaker - 600 ml

Code: [82-0200](#)

Product Group: [Beakers and Covers](#)

Borosilicate glass, squat form.

Further Information

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



Support Assembly

Code: [81-0094](#)

Product Group: [Stand, Bosshead and Clamp](#)

- Retort stand and clamp for general purpose

Further Information

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



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



Ductility Testing Machine

Code: 46-4120

Product Group: Ductility Testing

The Ductility Testing Machine is used to determine the ductility of bituminous materials in a briquette mould by measuring the breaking elongation at a constant speed of 50 mm/min. It is designed for testing 3 specimens simultaneously. The Internal tank is made of stainless steel. The bath is fitted with an immersion heater in order to obtain (in normal conditions), the 25°C test temperature.

The Ductility Testing Machine comprises of speed control and water circulator to maintain the homogenous water temperature.

Elongation measurement through the motor encoder.

3 simultaneous load measurements with 18-bit resolution.

Speed control with servo AC motor between 0.01 to 100 mm/min.

Ethernet connection for computer interface.

Has 3 load cells with an accuracy of $\pm 0.1N$, with a maximum capacity of 300 N.

Failure conditions can be downloaded to the unit.

Complies with EN13398, ASTM D113, ASTM D6084 and AASHTO T51 standards.

Specification

Dimensions	300 x 1850 x 550 mm
Weight	80kg
Watts	1000 W
Power supply	220V 50-60Hz 1Ph



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

Complies to BS 598-107

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

Compaction Mould

Code: [45-6310](#)



Digital Hotplate

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



Paper Discs

Code: [45-6462](#)



Sample Tray - 306 x 306 x 38 mm

Code: [81-4020](#)



Alternatives



Autocomp 100-A

Code: 45-6600/06

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](#)



Compaction Mould

Code: 45-6310

Product Group: Accessories for manual and automatic compaction, Asphalt Compaction Mould

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).



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).



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

Code: 23-4200

Product Group: Soil Extruders, Accessories for manual and automatic compaction

Adaptor plates will be supplied; extrudes samples from BS Compaction Mould, Proctor Mould 100 mm, Core Cutter and Marshall Mould. Maximum extrusion force 20kn.

Standards

BS 1377-1

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

Steel Block

Code: 45-6463



Alternatives



38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

Code: [23-4090](#)



Cbr/Core Cutter Extruder Frame and Hydraulic Jack Extrudes 150mm/6 Inch Diameter Specimens.

Code: [23-4250](#)



Marshall Test 50

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



Marshall Test 50

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