



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

This wishlist was generated on 09/01/2018, and contains the following Products:

24-9275

Dial Gauge 25mm Travel X 0.01mm Divisions.

24-9262

Swell Stand

46-5295/01

Semi-Automatic Penetrometer

46-5340/C

Penetration Needle

46-5800

Transfer Dish

46-5861

Penetration Tin

46-4120

Ductility Testing Machine

25-0402

Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

25-0408

Set of Weights 100Kg Total Weight.

25-0440

Dial Gauge 10mm Travel X 0.002mm Divisions.

25-0455

Consolidation Cell Complete 50mm Diameter Sample.

25-0461

Calibration Disc 50mm Cell

25-0458

Cutting Ring 50mm Cell.

25-0455/13

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

79-1640

200mm Dia BS Sieve 37.5mm Perforated Plate.

79-1610

200mm Dia BS Sieve 26.5mm Perforated Plate.

79-1590

200mm Dia BS Sieve 19.0mm Perforated Plate.

79-1570

200mm Dia BS Sieve 13.2mm Perforated Plate.

79-1550

200mm Dia BS Sieve 9.50mm Perforated Plate.

79-1530

200mm Dia BS Sieve 6.70mm Perforated Plate.

79-1510

200mm Dia BS Sieve 4.75mm Perforated Plate.

79-0300

200mm Dia BS Sieve 3.35mm Stainless Steel Mesh.

79-0280

200mm Dia BS Sieve 2.36mm Stainless Steel Mesh.

79-0240

200mm Dia BS Sieve 1.18mm Stainless Steel Mesh.

79-0200

200mm Dia BS Sieve 600Mic Stainless Steel Mesh.

79-0160

200mm Dia BS Sieve 300Mic Stainless Steel Mesh.

79-0120

200mm Dia BS Sieve 150 Mic Stainless Steel Mesh.

79-0080

200mm Dia BS Sieve 75 Mic Stainless Steel Mesh.

79-0010

Contents

www.ele.com
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200 mm Diameter Lid

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200 mm Diameter Receiver

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Advanced SilverSchmidt Concrete Test Hammer

35-2302/09

Ultrasonic Concrete Tester 110-240V 50/60Hz 1Ph

82-8020/01

Distilled Water Still



Dial Gauge 25mm Travel X 0.01mm Divisions.

Code: [24-9275](#)

Product Group: [Expansion \(swell\) Test Equipment](#)

25 mm travel x 0.01 mm.



Swell Stand

Code: [24-9262](#)

Product Group: [Expansion \(swell\) Test Equipment, Tripod Attachment](#)

For mounting Swell Dial Gauge in position on CBR mould collar.

Standards

ASTM D1883, AASHTO T193

Further Information

Requires dial indicator; not included, order separately

Specification

Construction	Machined, one-piece cast aluminum.
Contact Head	Integral part of ssembly; holds dial indicator.
Construction	2" I. (50.8 mm) included.
Weight	Net 1 lb. (0.4 kg).

Accessories



Mechanical Dial Indicator - 25 mm Range Clockwise Movement

Code: [88-4110](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: 88-4100

Alternatives



Electronic Digital Indicator, 1.0"/25.4 mm range

Code: 88-4220



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](#)



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****



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: [46-5861](#)

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****



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



Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

Code: 25-0402

Product Group: Consolidation Apparatus, Table Top Consolidation Apparatus

- High capacity - 8800 kPa on 50 mm diameter specimens using 11:1 beam ratio
- Triple beam ratio, 9:1, 10:1, 11:1
- Compact unit ensures maximum space saving

The ELE Oedometer is rigidly constructed to ensure minimum frame distortion. The frame is designed to load the specimen through a yoke assembly and one of three alternative beam ratios. The beam is fitted with a counterbalance weight and beam support jack. The cell platform will accept the complete range of ELE consolidation cells and is fitted with a central spigot to ensure accurate centring of the cell under the loading yoke. Dimensions without hanger 711 x 203 x 508 mm (l x w x h). Weight 22 kg.

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5

Further Information

Supplied without dial gauge and weights.

Specification

Load Capacity	48 tons/sq. ft. (5,14 8 kPa) on 2.5" (63 mm) diam. samples.
Loading Beam	Cast aluminum; counterbalanced; 9:1,10:1 and 11 :1 ratios.
Frame	Cast aluminum; integral beam support jack; plated steel and platform.
Dimensions	203 x 711 x 508 mm, (8" w. x 28" d. x 20" h) . excluding weight hanger.
Weight	(Net 30 lbs). 13 .6 kg; Shpg. 40 lbs. (18.1 kg).

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](#)

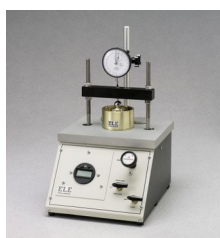
Spares/Consumables



Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)

Alternatives



Pneumatic Consolidation Apparatus

Code: [25-0560](#)



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



Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: [25-0440](#)

Product Group: [Direct/Residual Shear Apparatus](#),
[Measurement of Horizontal and Vertical Movement](#),
[Vertical settlement measurement](#)

Spares/Consumables



Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)



Vertical Dial Indicator, English

Code: [25-0445](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)

Product Group: [Table Top Consolidation Apparatus](#), [Pneumatic Consolidation Apparatus](#), [Fixed Ring Consolidation](#), [High pressure application consolidation cells and accessories](#)

Specification

Application	High pressure
Specimen Dia	50 mm
Specimen area	1963 mm ²
Beam ratio	10:1
Load kg	1
Stress	50 kPa
Typical max stress	8 MPa
Stress for 1 kg m ²	50 kPa
Application	High Pressure
Specimen Diameter	50 mm
Specimen Area	1963 mm ²
Beam Ratio	10:01
Load	1 kg
Stress	50 kPa
Typical Maximum Stress	8 MPa
Stress for 1 kg	50 kPa

Accessories



Calibration Disc 50mm Cell

Code: [25-0461](#)



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

Code: [25-0479](#)



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)

Spares/Consumables



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

Code: [25-0455/13](#)



Cutting Ring 50mm Cell.

Code: [25-0458](#)

Alternatives



Calibration Disc 50mm Cell

Code: [25-0461](#)



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

Code: [25-0479](#)



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



Calibration Disc 50mm Cell

Code: [25-0461](#)

Product Group: [High pressure application consolidation cells and accessories](#), [Fixed Ring Consolidation](#)

Accessories



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)

Alternatives



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



Cutting Ring 50mm Cell.

Code: [25-0458](#)

Product Group: [High pressure application consolidation cells and accessories](#), [Fixed Ring Consolidation](#)

Accessories



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



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

Code: [25-0455/13](#)

Product Group: [Fixed Ring Consolidation](#), [High pressure application consolidation cells and accessories](#)

Accessories



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



200mm Dia BS Sieve 37.5mm Perforated Plate.

Code: 79-1640

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

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



200mm Dia BS Sieve 26.5mm Perforated Plate.

Code: 79-1610

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310

Further Information

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



200mm Dia BS Sieve 19.0mm Perforated Plate.

Code: 79-1590

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

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



200mm Dia BS Sieve 13.2mm Perforated Plate.

Code: 79-1570

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

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



200mm Dia BS Sieve 9.50mm Perforated Plate.

Code: 79-1550

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA



200mm Dia BS Sieve 6.70mm Perforated Plate.

Code: 79-1530

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA



200mm Dia BS Sieve 4.75mm Perforated Plate.

Code: 79-1510

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA



200mm Dia BS Sieve 3.35mm Stainless Steel Mesh.

Code: 79-0300

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

Further Information

NOT AVAILABLE FOR SALE IN THE USA



200mm Dia BS Sieve 2.36mm Stainless Steel Mesh.

Code: [79-0280](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

Further Information

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



200mm Dia BS Sieve 1.18mm Stainless Steel Mesh.

Code: 79-0240

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

Further Information

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



200mm Dia BS Sieve 600Mic Stainless Steel Mesh.

Code: 79-0200

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2

Further Information

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



200mm Dia BS Sieve 300Mic Stainless Steel Mesh.

Code: 79-0160

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

Further Information

NOT AVAILABLE FOR SALE IN THE USA



200mm Dia BS Sieve 150 Mic Stainless Steel Mesh.

Code: [79-0120](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

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



200mm Dia BS Sieve 75 Mic Stainless Steel Mesh.

Code: 79-0080

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

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



200 mm Diameter Lid

Code: 79-0010

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310

Further Information

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



200 mm Diameter Receiver

Code: 79-0020

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Advanced SilverSchmidt Concrete Test Hammer

Code: 35-1500

Product Group: Surface Hardness

The SilverSchmidt ST/PC is the first integrated concrete test hammer featuring true rebound value and unmatched repeatability.

Two factors contribute to the improved performance of this concrete test hammer over its predecessors:

- Velocity based detection of the rebound quotient
- The lightweight hybrid design of the impact plunger is made from aerospace alloy, matched to the elastic properties of the concrete and equipped with a hardness steel cap

Independent validation testing by BAM (Federal Institute for Materials Research and Testing, Germany) has shown the SilverSchmidt ST/PC to have less dispersion than the classical concrete test hammer over the entire range.

The unique design and high quality construction of the concrete test hammer SilverSchmidt ST/PC makes rebound hammer testing quicker and more accurate than ever before.

NOT AVAILABLE FOR SALE IN THE USA

Further Information

- The SilverSchmidt ST/PC concrete test hammer combines a high measurement accuracy with an unmatched repeatability.
- The rebound value requires no angular correction
- The concrete test hammer offers customer conversion curves for a wide range of compressive concrete strengths, including low f_c (<10 N/mm², 1'450 psi) and high strength concrete (up to 100 N/mm², 14'500 psi)
- A large number of measurement points can be easily collected by the concrete test hammer and automatically evaluated according to statistical data
- The concrete test hammer offers automatic conversion to the required measurement unit (MPa,

N/mm², kg/cm², psi)

Specification

Technical Data	Silver Schmidt
Impact Energy	2.207 Nm
Hammer Mass	135 g
Spring Constant	0.79 N/mm
Spring Extension	75 mm (2.95")
Dimensions	55 x 55 x 255 mm (2.16" x 2.16" x 9.84")
Concrete Compressive Strengths	10-100 N/mm ² (1450-14500 psi)
Weight	570 g (1.4 lb)



Ultrasonic Concrete Tester 110-240V 50/60Hz 1Ph

Code: 35-2302/09

Product Group: Ultrasonic Detection, Ultrasonic Concrete Test

35-2302/09 is the most versatile Concrete Tester to date. It has all the functions of the classic Concrete Tester, but offers additional benefits.

Designed with laboratory use in mind, its compact size, rugged construction and optimized power consumption make it equally suitable for on-site use.

Along with the traditional transit time and pulse velocity measurement, 35-2302/09 offers path length measurement, perpendicular crack depth measurement and surface velocity measurement.

Optimized pulse shaping gives greater transmission range at lower voltage levels. This coupled with automated combination of the transmitter voltage and the receiver gain ensures an optimum received signal level, ensuring accurate and stable measurements.

The waveform can be viewed either via an external oscilloscope connection or directly on a connected PC screen.

Full remote control capability completes the package.

Complete with two 54 kHz transducers each with 3.6 metres of cable, coupling agent, carrying case and instruction manual.

Applications include pulse velocity determination, quality assessment and uniformity, modulus of elasticity measurement, curing status evaluation, crack depth estimation, assessment of fibre reinforced concrete.

Consists of display unit, 2 transducers (54 kHz), 2 BNC cables 1.5m, couplant, calibration rod, USB charger with USB-cable, 4x AA (LR6) batteries, data carrier with software, documentation and carrying case.

Standards

BS 1881-203, EN 12504-4, ASTM C597, D2845

Further Information

For 110 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

Measuring range	Up to 15 m depending on concrete quality
Bandwidth	20 to 500 kHz
Technology	Ultrasonic pulse velocity
Measuring resolution	0.1 us
Pulse voltage UPV	125 to 500 V
Receiver gain	1x, 10x, 100x, auto
Pulse shape	Square wave
Nominal transducer frequency	24-500 kHz
Number of channels	1

Spares/Consumables



Ultrasound Couplant Supplied In 250ml bottle

Code: [35-2305](#)



Distilled Water Still

Code: [82-8020/01](#)

Product Group: [Distilled Water Still](#)

Further Information

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

Specification

Dimensions (l x w x h)	590 x 530 x 940 mm
Boiling chamber	Glass
Condenser	Borosilicate glass
Output	3.5 litres/hr when permanently connected to water supply
Electrical supply	220 – 240 V AC, 50 - 60 Hz, 1 ph
Rated power	2.75 kW
Weight	12 kg