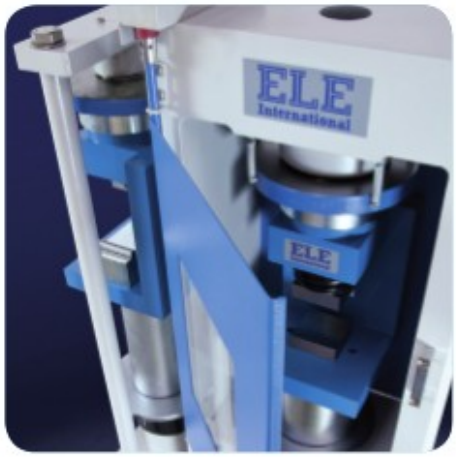
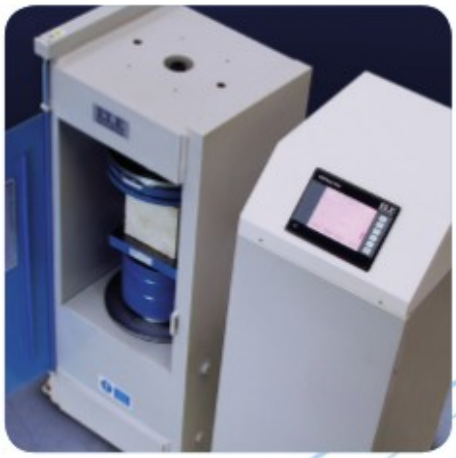


ELE International



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

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Contents

This wishlist was generated on 27/01/2017, and contains the following Products:

81-0100
Spatula 100 mm

81-0094
Support Assembly

81-2979
Moisture Content Tin

82-2500
Wash Bottle

24-1800
Shrinkage Mould to BS 1377

81-0588
Vernier Caliper Range 0 to 200mm X 0.02mm.

82-7031
Paraffin Wax

78-5335/01
Electronic Balance - 220g x 0.001g

78-1215/01
50 Litre Drying Oven

25-3700/01
MultiPlex 50 Load Frame

25-3650
Unconfined Compression Platens. for Use on Ele Load Frames Max Sample Dia 95mm.

78-0260
Clamped Boss Load Ring - 4.5 kN

25-6530
Two Part Split Mould 70mm

25-6500
Two-Way Split Former 70mm Diameter.

Contents

24-9063
ASTM Compaction Rammer 2.5Kg.

24-9070
ASTM/Modified Proctor Compaction Rammer 4.5Kg.

24-9182
Penetration Piston

24-9184
Penetration/Swell Dial Gauge ASTM.

24-9188
Bracket and Adaptor. Dual Purpose Mounting Bracket for CBR Penetration Gauges EL24-9184/EL24-9186

24-9228
ASTM Cbr Mould Complete with Collar & Perferated Base

24-9238
ASTM Spacing Disc.

24-9240
Filter Screen 150mm Dia with 0.15mm Mesh.

24-9243
4.5Kg Annular Surcharge Weight ASTM.

24-9244
5Lb (2.27Kg) Split Surcharge Weight.

24-9250
Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.

24-9260
Swell Plate

24-9262
Swell Stand

78-0760
Clamped Boss Load Ring - 28.0 kN

Contents

24-9236
ASTM Cutting Collar.

34-6575/01
Large Curing Tank C/W with Circulating Pump Heater/Thermostat Unit and Lower Rack

25-0402
Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

25-0408
Set of Weights 100Kg Total Weight.

25-0479
Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

25-0485
Calibration Disc 2.5 Inch Cell

27-1300/01
DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

27-1649
Consolidation Transducer Assembly 10mm Travel Fitted with 5 Pin Din Plug.

27-1773
DS7.2 One-Dimensional Consolidation Program for Windows 7, 32/64 bit

25-0479/13
2.5 Inch Dia Upper and Lower Porous Stones for Use on EL25-0479 Series Cell.

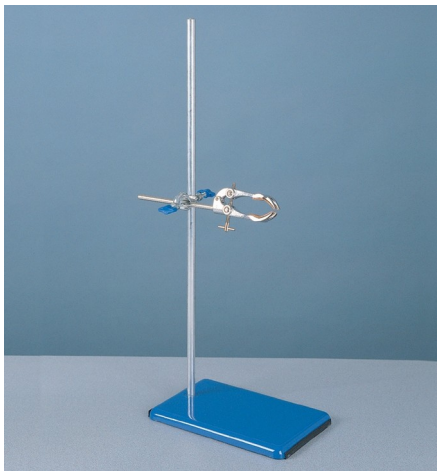
25-0440
Dial Gauge 10mm Travel X 0.002mm Divisions.

Spatula 100 mm

Code: 81-0100
Product Group: Spatulas

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

Moisture Content Tin

Code: 81-2979

Product Group: Moisture Content Tin and Sample Containers

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Wash Bottle

Code: 82-2500
Product Group: Bottles and Crucibles

Polythene, 500 ml capacity.

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

Paraffin Wax

Code: 82-7031
Product Group: Chemicals, Test and Reference Materials

No hazard (congealing point approx 49ºC). 5 kg block.

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

Vibrating Hammer

Code: 47-0455/01

Alternatives

Vibrating Hammer

Code: 47-0455/01

Electronic Balance - 220g x 0.001g

Code: 78-5335/01
Product Group: Electronic Balances

Further Information

Not available for sale in the USA

Specification

Capacity resolution	220 g x 0.001 mg
Pan size	120 mm dia
Mains and battery	No
Dimensions (w x d x h)	220 x 310 x 270 mm
Weight	12 kg
Weighing units	g, mg, ct, GN, N, oz, ozt, dwt, T, custom unit
Readability	0.001 mg

50 Litre Drying Oven

Code: 78-1215/01

Product Group: Oven Drying Method, Oven Drying Method, Oven Drying Method

Standards

BS 2648, BS 598, BS 1377, BS 1924

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Alternatives

100 Litre Drying Oven

Code: 78-1225/01

150 Litre Drying Oven

Code: 78-1235/01

225 Litre Drying Oven

Code: 78-1250/01

425 Litre Drying Oven

Code: 78-0135/01

MultiPlex 50 Load Frame

Code: 25-3700/01

Product Group: Data Logging with the DSU, CBR Load Frames, Marshall Load Frames, Triaxial Load Frames, Data Logging with the DSU

Compact bench mounting load frame designed for performing laboratory CBR, unconfined compression, Quick Undrained Triaxial and Marshall Stability Tests. Has a variable speed of 0.5 to 50.8mm per minute and features rapid approach of platen.

Standards

EN 12697-34, BS 598, BS 1377, BS 1924, ASTM D1883, EN 12697-23, EN 12697-24, EN 13286-47, AASHTO T193, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297, ASTM D6927

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Specification

Dimensions (l x w x h)	550 x 400 x 1470 mm
Max vertical clearance	800 mm
Horizontal clearance	265 mm
Platen diameter	133 mm
Platen travel	100 mm
Platen speed range	0.5 to 50.8 mm/min
Rapid approach speed	40 mm/min
Weight kg	100, (shipping 113 kg)

Accessories

50kN Clamped Boss Load Ring

Code: 78-0860

50kN S-type Load Cell

Code: 27-1559

Bracket and Adaptor. Dual Purpose Mounting Bracket for CBR Penetration Gauges EL24-9184/EL24-9186

Code: 24-9188

Cbr Penetration Piston (Adjustable).

Code: 24-9183

CBR Penetration Transducer 50mm Travel Fitted with 5 Pin Din Plug.

Code: 27-1705

Clamped Boss Load Ring - 10.0 kN

Code: 78-0460

Clamped Boss Load Ring - 2.0 kN

Code: 78-0060

Clamped Boss Load Ring - 28.0 kN

Code: 78-0760

Clamped Boss Load Ring - 3.0 kN

Code: 78-0160

Clamped Boss Load Ring - 4.5 kN

Code: 78-0260

Penetration Dial Gauge BS

Code: 24-9186

Penetration Piston

Code: 24-9182

Penetration/Swell Dial Gauge ASTM.

Code: 24-9184

Alternatives

Cbr-Test 50 Machine 50kN Capacity BS and ASTM Supplied with Stabilising Bar.

Code: 24-9150/01

Cbr-Test 50 Machine 50kN Capacity BS and ASTM Supplied with Stabilising Bar.

Code: 24-9150/06

Digital Tritest 50 Load Frame

Code: 25-3518/01

Unconfined Compression Platens. for Use on Ele Load Frames Max Sample Dia 95mm.

Code: 25-3650
Product Group: N/A

Standards

ASTM D2166, AASHTO T208, BS 1377, BS 1924, EN 13286-47, ASTM D1883, AASHTO T193

Clamped Boss Load Ring - 4.5 kN

Code: 78-0260

Product Group: Digital Tritest 50 Load Frame, Direct/Residual Shear Apparatus, Proving Rings, Load Measurement, Load Measurement, Load Measurement, Clamped Boss Load Rings

Specification

Capacity: kN, kgf, lbf	4.5, 450, 1000
Typical Design sensitivity: N/div, kgf/div, lbf/div	3.0, 0.30, 0.66
Overall height mm	248
Approx weight kg	3.5
Capacity - lbf	1,000
Capacity - kN	4.5
Capacity - kgf	450
Typical Design Sensitivity - lbf/div	0.66
Typical Design Sensitivity - kN/div	3
Typical Design Sensitivity - Kgf/div	0.3
Overall Height	9.76” (248 mm)
Approx Weight	7.7 lbs.(3.5 kg)

Accessories

50kN Clamped Boss Load Ring

Code: 78-0860

Clamped Boss Load Ring - 10.0 kN

Code: 78-0460

Clamped Boss Load Ring - 2.0 kN

Code: 78-0060

Clamped Boss Load Ring - 28.0 kN

Code: 78-0760

Clamped Boss Load Ring - 3.0 kN

Code: 78-0160

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

Code: 78-0264

Spares/Consumables

Spare Dial Indicator for Load Rings

Code: 78-5461

Alternatives

50kN Clamped Boss Load Ring

Code: 78-0860

Clamped Boss Load Ring - 10.0 kN

Code: 78-0460

Clamped Boss Load Ring - 2.0 kN

Code: 78-0060

Clamped Boss Load Ring - 28.0 kN

Code: 78-0760

Clamped Boss Load Ring - 3.0 kN

Code: 78-0160

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

Code: 78-0264

Two Part Split Mould 70mm

Code: 25-6530

Product Group: Two-way Split Moulds, Two-Part Split Mould

Two-Way Split Former 70mm Diameter.

Code: 25-6500
Product Group: Two-way Split Formers, Two-Way Split Formers

70Mm Diameter Two-Way Split Former.

Accessories

1.4" Two-Way Split Formers

Code: 25-4320

2.8" Two-Way Split Formers

Code: 25-6680

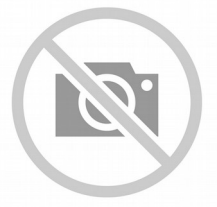
Two-Way Split Former 100mm Diameter.

Code: 25-7650

Alternatives

1.4" Two-Way Split Formers

Code: 25-4320



2.8" Two-Way Split Formers

Code: 25-6680

Two-Way Split Former 100mm Diameter.

Code: 25-7650

ASTM Compaction Rammer 2.5Kg.

Code: 24-9063
Product Group: Proctor compaction, Standard Compaction Hammer

50.8mm diameter x 305mm deep.

Standards

ASTM D1557, AASHTO T180, ASTM D558, ASTM D559, ASTM D560, ASTM D698, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136

Specification

Hammer	2” diam. (50.8 mm); 5-1/2 lbs. (2.49 kg).
Drop	12 ” (305 mm).
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight	4.1 kg (9 lbs)

Accessories

ASTM/Modified Proctor Compaction Rammer 4.5Kg.

Code: 24-9070

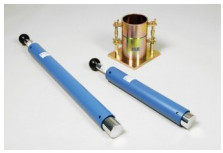
Straight Edge 300mm.

Code: 24-9010

Alternatives

ASTM/Modified Proctor Compaction Rammer 4.5Kg.

Code: 24-9070



Straight Edge 300mm.

Code: 24-9010

ASTM/Modified Proctor Compaction Rammer 4.5Kg.

Code: 24-9070

Product Group: ASTM/Modified Proctor compaction, Modified Compaction Hammer

50.8mm diameter x 457.2 mm drop.

Standards

ASTM D1557, AASHTO T180

Specification

Hammer	2” diam. (50.8 mm); 10 lbs. (4.5 kg).
Drop	18” (457.2 mm).
Guide Sleeve	Machined steel tubing with integrally spun end cap; air pressure release holes.
Finish	Corrosion resistant
Weight	Net 6.3 kg (14 lbs)

Accessories

ASTM Compaction Rammer 2.5Kg.

Code: 24-9063

Alternatives

ASTM Compaction Rammer 2.5Kg.

Code: 24-9063

Penetration Piston

Code: 24-9182

Product Group: Penetration Measurement

1.935 mm2 (3 in2) area foot of case hardened steel. Designed to fit all ELE load rings.

Penetration/Swell Dial Gauge ASTM.

Code: 24-9184

Product Group: Expansion (swell) Test Equipment, In-situ CBR, Conversion of In-situ to Laboratory CBR, Penetration Measurement

1 in travel x 0.0005 in divisions. Complete with rack extensions and chisel edge anvil.

Standards

BS 1377, BS 1924

Bracket and Adaptor. Dual Purpose Mounting Bracket for CBR Penetration Gauges EL24-9184/EL24-9186

Code: 24-9188

Product Group: In-situ CBR, Conversion of In-situ to Laboratory CBR, Penetration Measurement

Dual purpose mounting bracket for CBR penetration dial gauges. Allows gauge to be fixed to penetration piston or load ring.

Standards

BS 1377, BS 1924

ASTM Cbr Mould Complete with Collar & Perforated Base

Code: 24-9228
Product Group: ASTM/AASHTO CBR mould

With collar and perforated baseplate.

Standards

ASTM D1883, AASHTO T193

Specification

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

Accessories

4.5Kg Annular Surcharge Weight ASTM.

Code: 24-9243

5 Lb. Annular Surcharge Weight ASTM.

Code: 24-9245

ASTM Cutting Collar.

Code: 24-9236

ASTM Spacing Disc.

Code: 24-9238

Alternatives

4.5Kg Annular Surcharge Weight ASTM.

Code: 24-9243

5 Lb. Annular Surcharge Weight ASTM.

Code: 24-9245

ASTM Cutting Collar.

Code: 24-9236

ASTM Spacing Disc.

Code: 24-9238

ASTM Spacing Disc.

Code: 24-9238
Product Group: Spacer Discs, ASTM/AASHTO CBR mould accessories

150.8 mm diameter x 61.4 mm deep.

Specification

Construction	Steel; machined on all sides.
Finish	Plated.
Weights	Net 18.9 lbs. (8.6 kg).

Accessories

ASTM Cbr Mould Complete with Collar & Perforated Base

Code: 24-9228

Alternatives

ASTM Cbr Mould Complete with Collar & Perforated Base

Code: 24-9228

Filter Screen 150mm Dia with 0.15mm Mesh.

Code: 24-9240
Product Group: Filter Screen, ASTM/AASHTO CBR mould accessories

150 mm dia, 150 µm mesh for use with ASTM mould.

Specification

Mesh	Brass; number 100.
Size	5-15 /16â diam. (135 mm).
Weight	Net 1 oz. (28 g).

Accessories

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

Code: 24-9250

Alternatives

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

Code: 24-9250

4.5Kg Annular Surcharge Weight ASTM.

Code: 24-9243
Product Group: ASTM/AASHTO CBR mould accessories

Accessories

ASTM Cbr Mould Complete with Collar & Perforated Base

Code: 24-9228

Alternatives

ASTM Cbr Mould Complete with Collar & Perforated Base

Code: 24-9228

5Lb (2.27Kg) Split Surcharge Weight.

Code: 24-9244
Product Group: ASTM/AASHTO CBR mould accessories, Surcharge Weights

Specification

Construction	Machined steel.
Finish	Plated.

Accessories

5 Lb. Annular Surcharge Weight ASTM.

Code: 24-9245

Alternatives

5 Lb. Annular Surcharge Weight ASTM.

Code: 24-9245

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

Code: 24-9250
Product Group: Filter Paper, ASTM/AASHTO CBR mould accessories

Box of 100.

Standards

ASTM D1883, AASHTO T193

Specification

Grade	Coarse.
Size	15 cm diam. (5.9â□□).
Weight	Net 8 oz. (22 7 g).

Accessories

Filter Screen 150mm Dia with 0.15mm Mesh.

Code: 24-9240

Alternatives

Filter Screen 150mm Dia with 0.15mm Mesh.

Code: 24-9240

Swell Plate

Code: 24-9260
Product Group: Expansion (swell) Test Equipment, Swell Plate

With adjustable stem.

Standards

ASTM D1883, AASHTO T193

Specification

Base Plate	5 15/16” diam. (150.8mm); perforated.
Contact Head	Adjustable; locks on stem with knurled nut.
Construction	Aluminium
Weight	Net 2-1/2 lbs. (1.1 kg).

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

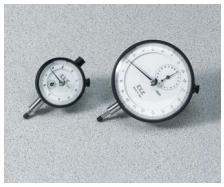
Further Information

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” l. (50.8 mm) included.
Weight	Net 1 lb. (0.4 kg).

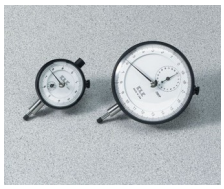
Accessories



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

Clamped Boss Load Ring - 28.0 kN

Code: 78-0760

Product Group: Digital Tritest 50 Load Frame, Proving Rings, CBR-Test 50 Machine, Conversion of In-situ to Laboratory CBR, CBR Loading Press, Hand-Operated, Force measurement, Load Measurement, Load Measurement, Clamped Boss Load Rings

Standards

BS 1377, BS 1924

Specification

Capacity: kN, kgf, lbf	28.0, 2800, 6000
Typical Design sensitivity: N/div, kgf/div, lbf/div	25.5, 2.54, 5.45
Overall height mm	248
Approx weight kg	5.4
Capacity	28 kN
Value of CBR	Average range of CBR
Capacity - lbf	6,000
Capacity - kN	28
Capacity - kgf	2,800
Typical Design Sensitivity - lbf/div	5.45
Typical Design Sensitivity - kN/div	25.5
Typical Design Sensitivity - Kgf/div	2.54
Overall Height	9.76” (248 mm)
Approx Weight	11 .9 lbs.(5.4 kg)

Accessories

50kN Clamped Boss Load Ring

Code: 78-0860

Clamped Boss Load Ring - 10.0 kN

Code: 78-0460

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

Digital Proving Ring, 6,000 lbs (28.0 kN)

Code: 78-0764

Spares/Consumables

Spare Dial Indicator for Load Rings

Code: 78-5461

Alternatives

50kN Clamped Boss Load Ring

Code: 78-0860

Clamped Boss Load Ring - 10.0 kN

Code: 78-0460

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

Digital Proving Ring, 6,000 lbs (28.0 kN)

Code: 78-0764

ASTM Cutting Collar.

Code: 24-9236

Product Group: Cutting Edge, ASTM/AASHTO CBR mould accessories

To fit ASTM CBR mould body, manufactured with a cutting edge to enable undisturbed samples to be taken in the field.

Standards

ASTM D1883, AASHTO T193

Specification

Dimensions	6â i.d. x 1-1/2â h. (152 .4 x 38 mm).
Construction	Machined seamless steel tubing; recessed for mounting on CBR Mold.
Finish	Plated.
Weight	Net 1-1/2 lbs. (0.7 kg).

Accessories

ASTM Cbr Mould Complete with Collar & Perforated Base

Code: 24-9228

Alternatives

ASTM Cbr Mould Complete with Collar & Perforated Base

Code: 24-9228

Large Curing Tank C/W with Circulating Pump Heater/Thermostat Unit and Lower Rack

Code: 34-6575/01

Product Group: Expansion (swell) Test Equipment, Large Curing Tank

This Large Curing Tank is supplied complete with a submersible pump, immersion heater/thermostat unit and separate control panel. The tank includes a lower rack as standard and is designed to maintain the temperature at 20 ± 2ºC, providing that the ambient temperature does not fall below 15ºC or rise above 20ºC.

Standards

EN 12390-2, ASTM C31, AASHTO T23

Further Information

NOT AVAILABLE FOR SALE IN THE USA

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

Specification

Internal Dimensions	1040 x 1040 x 605 mm (l x w x h)
Capacity	650 litres
Rated Power	2000 watt
Weight	60 kg

Accessories

Maximum and Minimum Thermometer

Code: 82-5310

Alternatives

Jolting Table 220 - 240 V AC 60 Hz

Code: 39-1150/06

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.

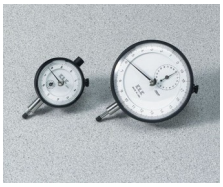
Code: 25-0455

Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503

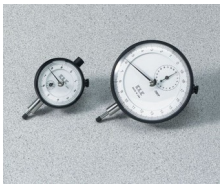
Floor Mounting Stand.

Code: 25-0429



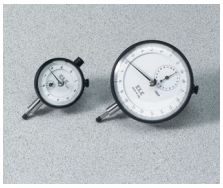
Mechanical Dial Indicator - 0.4" Range

Code: 88-4070



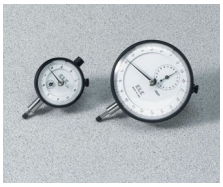
Mechanical Dial Indicator - 1.0" Range Counter Clockwise Movement

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

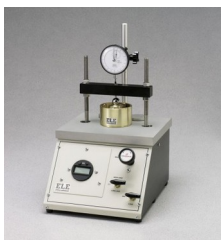
Code: 25-0537

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

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

Code: 25-0479

Product Group: Table Top Consolidation Apparatus, ASTM/AASHTO consolidation cells and accessories, Pneumatic Consolidation Apparatus, Fixed Ring Consolidation

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877

Specification

Application	ASTM
Specimen Dia	2.5 inch
Specimen area	4.909 inch²
Beam ratio	10:1
Load kg	1.55
Stress	1000 lbf/ft²
Typical max stress	103 200 lbf/ft²
Stress for 1 kg m²	645 lbf/ft²

Accessories

2.5" Floating Ring Consolidometer

Code: 25-0530

Calibration Disc 2.5 Inch Cell

Code: 25-0485

Consolidation Cell Complete 50mm Diameter Sample.

Code: 25-0455

Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503

Spares/Consumables

2.5 Inch Dia Upper and Lower Porous Stones for Use on EL25-0479 Series Cell.

Code: 25-0479/13

Cutting Ring for 25-0479

Code: 25-0482

Alternatives

2.5" Floating Ring Consolidometer

Code: 25-0530

Calibration Disc 2.5 Inch Cell

Code: 25-0485

Consolidation Cell Complete 50mm Diameter Sample.

Code: 25-0455

Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503

Calibration Disc 2.5 Inch Cell

Code: 25-0485
Product Group: ASTM/AASHTO consolidation cells and accessories, Fixed Ring Consolidation

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877

Accessories

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

Code: 25-0479

Alternatives

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

Code: 25-0479

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 accomodate 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

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

Code: 27-1649

Product Group: Displacement Measurement, Displacement Transducers, Vertical settlement measurement

Fitted with 5 pin DIN plug.

Specification

Construction	Fully encapsulated electronics, sealed in a stainless steel case
Excitation	11 V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45

Accessories

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

Code: 27-1617

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

Code: 27-1697

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

Code: 27-1689

Spares/Consumables

CBR Displacement Transducer

Code: 27-1706

Alternatives

Transducer Extension Cable 3.0 m

Code: 27-1717

Transducer Extension Cable 4.5 m

Code: 27-1719

DS7.2 One-Dimensional Consolidation Program for Windows 7, 32/64 bit

Code: 27-1773

Product Group: DS7, DS7.2 One-Dimensional Consolidation Software

DS7.1 Consolidation Software provides all basic functions needed to record and analyse consolidation test data. Options are available for monitoring settlement on a log time or square-root time basis. Printouts and graphical plots are available for all stages including Mv and Cv moisture content, voids ratio plots, and initial sample conditions.

2.5 Inch Dia Upper and Lower Porous Stones for Use on EL25-0479 Series Cell.

Code: 25-0479/13

Product Group: ASTM/AASHTO consolidation cells and accessories, Fixed Ring Consolidation

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877

Accessories

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

Code: 25-0479

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