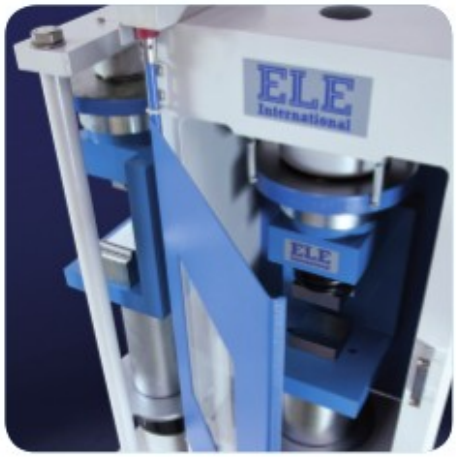
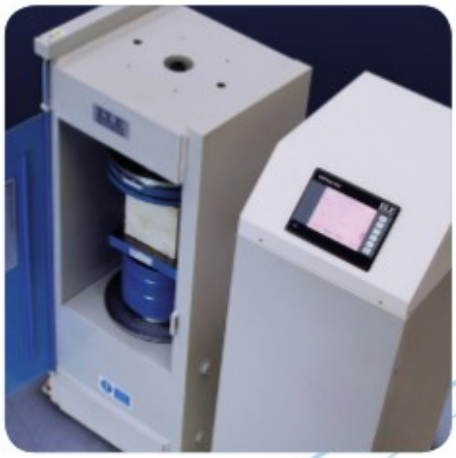


ELE International



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

www.ele.com

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82-5272
Thermometer

42-0410
Flakiness Gauge.

42-0600
Set of Flakiness Sieves Comprising 1 Ea 4.9mm 7.2mm 10.2mm 14.4mm 19.7mm 26.3mm and 33.9mm

42-0820
Length Gauge

46-3310/01
Cleveland Flash Cup Apparatus

23-4200
Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens

25-1833/01
De-Aired Water Apparatus 15 Litre Capacity

Contents

25-3518/01
Digital Tritest 50 Load Frame

25-4047
50mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

25-4166
38mm/1.5 Inch Base Adaptor for 50mm Cells.

25-4200
Piston Restraint Clamp for Ele Triaxial Cells

25-4210
Dial Gauge 25mm Travel X 0.01mm Divisions

25-4290
Membrane Placing Tool 35mm/38mm.

25-4520
Valve No Volume Change 1/4 Inch BSp Fitted with 6 mm Connector and Integral Sealing Ring.

25-5050
Pressure Pad 38mm/1.5 Inch Diameter.

25-5061
Rubber Membrane 38mm/1.5 Inch Diameter. Pack of 10.

25-5081
Membrane Sealing Ring 38mm/1.5 Inch Diameter. Pack of 10.

25-5100
Suction Membrane Device 38mm/1.5 Inch Diameter.

25-5120
Two-Way Split Former 38mm/1.5 Inch Diameter.

25-5181
Porous Disc 38mm/1.5 inch Diameter. Pack of 2.

25-5200
Filter Paper Drain 38mm/1.5 inch Diameter. Pack of 50.

Contents

26-1800/01
Pressure Test 1700 Oil/Water Constant Pressure System 0 to 1700kPa 220-240V 50/60Hz 1Ph.

26-1820
Digital Pressure Gauge 1700 kPa for Use with 26-1800 Series Oil/Water Constant Pressure System.

26-1880
Universal Pump and Pressure Indicating Panel 1700Kpa.

26-1892
Twin Burette Volume Change Unit.

26-1926
Nylon Tubing 6mm Od 3500Kpa.

27-1620
Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

78-0260
Clamped Boss Load Ring - 4.5 kN

25-5130
Two Part Split Mould 38mm

25-5050/10
Drainage Line for 25-4250

25-3518/10
Adaptor kit, to perform CBR on the Tritest 50 load frame

26-1746
Bladder-Type Air/Water Pressure Assembly. 1000 Kpa Maximum Working Pressure.

26-1746/10
Replacement Bladder Wide Neck (38mm Id)

26-1805
Oil 5 Litres T46

26-2270
Laboratory Vane Apparatus with 4 Springs and 12.7mm Vane; Hand Operated.

Contents

26-2281
Vane 12.7mm Diameter X 19mm Long

26-2283
Vane 12.7mm Diameter X 25.4mm Long.

26-2275/10
Set of 4 Calibrated Springs for Laboratory Vane Apparatus.

26-2279
Vane 12.7mm Diameter X 12.7mm Long.

25-0591
Manometer Tubes & Stand.

25-0593
Constant Level Tank.

25-0580
Constant Head Permeability Cell 75mm Diameter Specimen.

24-0417/01
Motorised Liquid Limit Device W/ Counter BS 220-240V 50Hz 1Ph.

24-0461
Casagrande Grooving Tool Aashto

24-0430
Glass Plate.

23-7150
Soil Colour Chart Set

23-7130
Sand Grading Chart

24-1800
Shrinkage Mould to BS 1377

23-3505
Mortar and Pestle Porcelain.

82-2500

Contents

Wash Bottle

81-2979
Moisture Content Tin

81-4030
Sample Tray - 406 x 406 x 50 mm

81-5020
Bowl - 2.5 litre

81-5040
Bowl - 5 litre

81-5060
Bowl - 11 litre

81-0100
Spatula 100 mm

78-5456/01
Electronic Balance - 4 500 g x 0.01 g

78-5485/01
Electronic Balance - 20 000 g x 0.1 g

24-9000
BS Standard Compaction Mould 1000Cm Capacity.

24-9002
Standard Compaction Rammer 2.5Kg BS1377-1975

24-9004
BS Compaction Rammer 4.5Kg Wt.

24-9060
Proctor Mould

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

24-9198
BS Cbr Mould Body.

Contents

24-9200
BS Extension Collar

24-9204
BS Solid Base or Top Plate

24-9202
BS Perforated Base Plate.

24-9206
Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

24-9208
C-Spanner for BS Cbr Mould. Two Required.

24-9210
Base Plate Tool for BS Mould

24-9216
2Kg Split Surcharge Weight.

34-0130
Tamping Rod 16mm Dia X 600mm long hemispherical at both ends.

24-9220
Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

24-9260
Swell Plate

24-9262
Swell Stand

25-0613
Soaking Tank.

24-9275
Dial Gauge 25mm Travel X 0.01mm Divisions.

23-1517
150mm Dia Gravel Auger Head.

23-1501
100mm Dia Soil Auger Head

Contents

23-1525
50mm Dia Dutch Soil Auger Head.

23-1577
38mm Diameter Sample Tube 230mm Long Complete with End Caps.

24-4620
Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

24-4700
Hydrometer Sedimentation Cylinder

24-4145
Sodium Hexametaphosphate 500G.

24-4800
Nomographic Chart for The Determination of Stokes Law.

24-2885
Pyknometer Complete with Non-Corrodable Cone and Rubber Seal 1Kg Capacity

24-2890
Density Bottle 25Ml.

24-2900
50Ml Density Bottle with Perforated Stopper.

24-2950
100Ml Density Bottle with Perforated Stopper.

24-2830
Gas Jar 75mm Dia X 300mm with Glass Cover and Rubber Bung.

23-4090
38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

ADR Touch 2000 Standard Compression Machine with Digital Readout.

Code: 36-3090/01

Product Group: General Purpose Compression Machines

• 2000 kN/450 000 lbf capacity
• Tests 150 and 100 mm concrete cubes or cylinders up to 320 x 160 mm diameter
• Supplied with Windows(R) download software as standard.

Incorporating the ADR Touch digital readout, the machines are designed to test cubes and cylinders in accordance with most International Standards. Supplied fitted for cylinder testing with safety gates. When used for cube testing appropriate distance pieces according to the size of specimen to be tested are required and must be ordered separately.

Further Information

NOT AVAILABLE FOR SALE IN THE USA

The Standard range of compression machines has been designed to meet the need for a simple, economic and reliable means of testing concrete.

Whilst delivering all the features and reputation of the established ADR Series with its extensive design history, the new and improved user interface provides a high quality platform for testing that enhances the performance of ELE's compression machines.
New, sophisticated electronics further the benefits of simplified operation, whilst delivering the highest levels of accuracy in testing concrete and cement/mortar samples, satisfying the needs of Quality Control Managers, Lab Managers and Technicians.

ACCURACY & SAVINGS
The new ADR Touch Series, with 145mm (5.7") high resolution QVGA touch screen interface and intuitive menu-driven operation, reduces the time taken to set up the machine and perform tests, reducing the time to train staff by up to 25%.

• Up to 6 sample types can be set as favorites, enabling one-touch set up for repeat testing.
• Full, QWERTY touch pad for input of test data.

Most testing errors produce lower strength results. Noncompliant loading rates can generate errors in measured strength. The user interface includes real-time display of load vs. time, further ensuring accurate and consistent test results and providing "goodness of test" data to improve traceability in your QC operations.

TRACEABILITY & DATA QUALITY
The ADR range now provides improved data quality and traceability in due diligence cases - it is now possible to demonstrate traceability all the way from the machine/user to the accreditation body, increasing your reputation and peace of mind - all test results now come complete with the machine serial number attached.

• Enhanced USB data communications between PC and machine - eliminating the need for download software.

• Two gigabytes of storage memory.
• Full customization of sample sizes - stress calculations are automatically recalculated.

USER SAFETY
With full safety gates as standard, total systems diagnostics, ram run-out switches and overload warnings ensure the safety of your employees and the reliability of your machine.

Specification

Testing Standards	BS EN ISO 7500-1, ASTM E4
Capacity	2000 kN
Cubes (Concrete)	Up to 150 mm
Cylinders (Concrete)	Up to 160 x 320 mm
Blocks	n/a
Flexural Testing	Via Flexural Frame
TFV and ACV	Yes
Voltage Supply	220-240V 50/60 Hz 1Ph.
Frame Type	Welded
Max vert. Clearance	340 mm
Max hor. Clearance	325 mm
Platen Sizes	Lower, Upper 222 mm
Max Ram Travel	50 mm

Spares/Consumables

Pressure transducer, 0-700bar, 0.05 to 10v DC Output

Code: 6014A0062

100kN Flexural (Beams) Frame. Supplied Without Specimen Bearers and Fitting Kit.

Code: 37-6130

Product Group: Flexural Testing for Beams

- Open sided for ease of specimen loading
- Meets EN 12390-5, 1521, 13161, 772-6 and ASTM C78 for standard section beams
- Optional ball seating assembly

This rigidly constructed, open sided frame is suitable for testing 100 mm and 150 mm square-section beams. The frame supports a hydraulic ram and upper sub-platen assembly incorporating a spherical seating. The upper and lower sub-platens will accept various specimen loading bearers, which are supplied separately.

Standards

BS 1881-118, EN 12390-5

Further Information

Not available for sale in the USA

100kN Flexural Fitting Kit (ADR) Used for Connecting Flexural Frames to ADR Compression Machines.

Code: 37-6138

Product Group: Accessories to connect ELE compression machines to the flexural/transverse frames

These flexural frames can be used with a wide range of ELE compression machines. Simply select one of two fitting kits designed to link the flexural frame to either the ADR-Auto range of compression machines or any other ADR compression machine.

Further Information

Not available for sale in the USA

BS 1881 Specimen Bearer Assembly 38mm Dia X 160mm Length.

Code: 37-6131

Product Group: Flexural Testing for Beams

Comprising 2 self-aligning upper bearers, 1 self-aligning and 1 fixed lower bearer. Roller bearers are 38 mm diameter x 160 mm long. Suitable for 3- or 4-point flexural testing of beams.

Standards

BS 1881-118, EN 12390-5

Further Information

Not available for sale in the USA

Ball Seating Assembly 150mm Dia Platens.

Code: 37-6133

Product Group: Flexural Testing for Beams

Comprising a ball seating assembly with 150 mm diameter platen and a lower platen 150 mm diameter x 16 mm thick. Suitable for testing low-strength specimens.

Further Information

Not available for sale in the USA

1000/500kN Motorised Compression/Tension Machine (complete with grips) 220-240V 50/60Hz 1Ph.

Code: 36-1410/01
Product Group: Compression Tension Machine

• Compression testing of concrete cubes and cylinders
• Calibration in compression is accurate to 1% of indicated load, satisfying BS EN ISO 7500-1; ASTM E4
• Self-aligning upper platen for compression tests
• Easily fitted grips for tension testing

The load frame is of high quality steel construction with a fixed upper head carrying a ball-seated platen. The ram carrying the lower platen is contained in the base of the frame and is protected by a shroud. Sufficient clearance between the platens allows the compression testing of concrete cylinders up to 160 mm diameter by 320 mm long. To allow for the compression testing of concrete cubes, a range of distance pieces is available.

Tension tests on steel reinforcing bars are conducted by replacing the platens with special grips. As standard the machine is supplied with the following size grips for testing bars, 10 mm, 12 mm, 20 mm, and 25 mm diameter. The machine is motorised, incorporating a change-over lever to select either compression or tension output from the pump.

Standards

BS EN ISO 7500-1, ASTM E4

Further Information

NOT AVAILABLE FOR SALE IN THE USA

220-240V 50/60 Hz 1Ph.

Air Entrainment Meter B Type Complete with Carrying Case. Supplied with Aluminium Tamping Bar.

Code: 34-3265

Product Group: Precision Air Entrainment Meter, Precision Air Entrainment Meter

- 7 litre capacity
- Shock-proof pressure gauge mounting
- Lightweight aluminum construction
- Heavy-duty plastic carrying case for easy transport to site

The proper control of entrained air in concrete is recognized as one of the most important functions in modern concrete manufacture. For the concrete engineer, the ELE Precision Air Entrainment Meter offers an instrument for the testing and designing of concrete mixes.

The instrument is designed so that the operating parts form an integral unit. The container is rigid, thus providing an accurate device for the performance of unit weight testing. For convenience, the tare weight in grams is stamped on the bottom. When used with the supplied nomograph, the air meter provides quick and easy particle density and percent of free moisture in aggregate determinations.

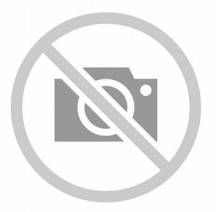
Standards

ASTM C231, AASHTO T152

Specification

Capacity	7 Litres
Readings	Up to 22% entrained air
Accuracy	1/4% full scale
Aggregate Size	2" (50.8 mm) maximum
Container	With tare weight stamped on bottom; 2-piece clamping device for positive seal.
Water	4 oz required
Initial Pressure	Approx. 10 strokes needed
Pressure Gauge	In shock-proof mounting
Tamping Rod	Aluminium; 24" (610 mm) long
Dimensions	9-3/4" diam. X 13-1/4" h. (248 x 337 mm)
Weight	Net 15 lbs (8 kg)

Spares/Consumables



Concrete Air Indicator

Code: 38-3280/10

Gauge Kit

Code: 34-3265/12

Pump Assembly

Code: 34-3265/10

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

Aggregate Impact Value Apparatus Complete with 16mm Dia X 600mm Long Rod

Code: 42-4000

Product Group: Aggregate Impact Value (AIV)

Heavy duty construction, heavily plated assembly ensures corrosion resistance.

Standards

BS 812-112

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Vicat Frame

Code: 38-2010
Product Group: Vicat Method

Complete with consistency plunger, 10 mm diameter. Requires one initial or final set needle to make up test weight to 300g.

Standards

EN 196-3, EN 13454-2, ASTM C187, ASTM C191

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Spares/Consumables

Consistency Plunger

Code: 38-2010/10

EN Initial and Final Set Needle

Code: 38-2110
Product Group: Vicat Method

1.13mm diameter and 1.13mm diameter with special footing.

Standards

ASTM C187, ASTM C191

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Spares/Consumables

Consistency Plunger

Code: 38-2010/10

Vicat Mould

Code: 38-2200
Product Group: Vicat Method, Automatic Vicat

Accessory: manufactured from brass and supplied complete with a ring and glass base plate.

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Spares/Consumables

Consistency Plunger

Code: 38-2010/10

100mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4520
Product Group: Cube Moulds, Cube Moulds

4-part with clamp attached base plate.

Standards

EN 12390-1, EN 12390-2

Specification

Construction	Bolted sides and clamped base plate
Finish	Painted
Weight	20 lb (9.1 kg)

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)

100 X 100 X 500mm Beam Mould.

Code: 34-5003
Product Group: Beam Moulds

Complete with base plate

Weight 17 kg

Further Information

NOT AVAILABLE FOR SALE IN THE USA

150 X 150 X 750mm Beam Mould.

Code: 34-5053
Product Group: Beam Moulds

Complete with base plate

Weight 43 kg

Standards

EN 12390-1, EN 12390-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

100mm Dia Cylinder Mould 200mm Long.

Code: 34-5210
Product Group: Cylinder Moulds

100 mm diameter x 200 mm long, complete with base plate.

Standards

EN 12390-1, EN 12390-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

150mm Dia Cylinder Mould 150mm Long.

Code: 34-5230
Product Group: Cylinder Moulds

150 mm diameter x 150 mm long, complete with base plate.

Standards

EN 12390-1, EN 12390-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

150mm Dia Cylinder Mould 300mm Long.

Code: 34-5260
Product Group: Cylinder Moulds

150 mm diameter x 300 mm long, complete with base plate and locking ring.

Standards

EN 12390-1, EN 12390-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Crack Detection Microscope Magnification X 40 Measuring Range of 4mm In 0.02mm Divisions

Code: 35-2505

Product Group: Crack Detection, Crack Detection Microscope

Specifically designed for measuring crack width in concrete, this high definition microscope operates via an adjustable light source provided by high power batteries.
Supplied in a pocket sized carrying case.

Specification

Magnification	X 35 .
Measuring Range	4 mm.
Divisions	0.02 mm.
Dimensions	1.5” x 3.5” x 6” (40 x 90 x 15 0 mm) in case.
Weight	Net 19.4 oz. (55 0 g).

ELE Concrete Mixer 56/40 Litre Capacity.

Code: 34-3540/01
Product Group: ELE Concrete Mixer

- Portable and compact
- Tipping mechanism
- Adjustable blades
- Simple to clean and maintain

It is essential that the mixing of fresh concrete for laboratory test samples is thorough and consistent. The ELE Concrete Mixer is ideally suited for this purpose.

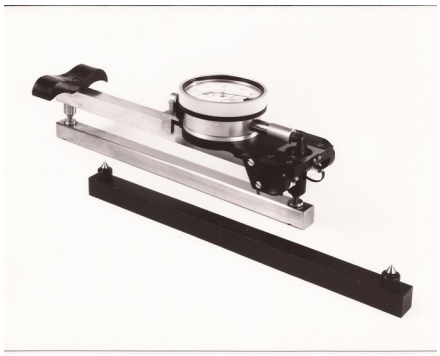
The mixer has been developed to give efficient mixing of both wet and dry materials. The mixing pan is removable and tilts for easy access to the pan and emptying on completion of the mixing operation. It is rotated by a turntable driven by a 1500 W, IP55 protected electric motor.

The mixer head lifts clear to provide maximum access to the pan and holds the mixing blades at a constant depth during the mixing operation. The blades are readily adjusted to suit the different types and volume of materials to be mixed.

Further Information

NOT AVAILABLE FOR SALE IN THE USA

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



200mm "Demec" Mechanical Strain Gauge

Code: 35-2846
Product Group: Strain Gauge

This gauge is ideal for monitoring cracks and strains in a number of structure types.

Standards

BS 1881-206

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

Code: 35-2302/09

Product Group: Pundit Lab, Pundit Lab Ultrasonic Concrete Test

Pundit Lab is the most versatile Pundit to date. It has all the functions of the classic Pundit 7, 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, Pundit Lab 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.

Standards

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

Further Information

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

Spares/Consumables

Ultrasound Couplant Supplied In 250ml bottle

Code: 35-2305

Colony Counter 220-240V 50Hz 1Ph.

Code: 535-210/01
Product Group: Microbiology

• Uniform glare-free illumination.
• Angled front for operator comfort.
• Counter triggered by depressing petri dish.
• Digital display of results.
• Built in magnifier.

The petri dish is placed on the viewing and every time a colony is pressed a count is registered and accompanied by an audible tone. Both the amount of pressure needed to register a count and the volume of the tone are adjustable. The built-in adjustable magnifier enables samples to be examined more easily. For use with up to 10 cm glass or plastic petri dishes.• Uniform glare-free illumination.
• Angled front for operator comfort.
• Counter triggered by depressing petri dish.
• Digital display of results.
• Built in magnifier.

The petri dish is placed on the viewing and every time a colony is pressed a count is registered and accompanied by an audible tone. Both the amount of pressure needed to register a count and the volume of the tone are adjustable. The built-in adjustable magnifier enables samples to be examined more easily. For use with up to 10 cm glass or plastic petri dishes.

Further Information

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

Buoyancy Balance

Code: 34-8100/09

Product Group: Percentage Refusal Density (PRD), Hardened Concrete - Buoyancy Balance

Standards

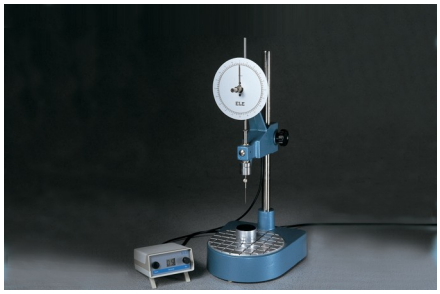
EN 12697-32, EN 13280-4, BS 598-104

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Automatic Weather Station

Code: 509-105
Product Group: Environmental weather station



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

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

Constant Temperature Bath 21 - 56ºC

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 56ºC ± 0.1ºC (at ambient). An integral cover and deep tray for penetration testing are supplied as standard.

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: 46-5860
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

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

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

Thermometer

Code: 82-5272

Product Group: Non Hazardous Glass Thermometers, Ring and Ball Apparatus

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

Flakiness Gauge.

Code: 42-0410
Product Group: Flakiness Sieves and Gauges

Constructed of heavy gauge sheet steel to the dimensions specified in BS 812.

Standards

BS 812

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Set of Flakiness Sieves Comprising 1 Ea 4.9mm 7.2mm 10.2mm 14.4mm 19.7mm 26.3mm and 33.9mm

Code: 42-0600

Product Group: Flakiness Sieves and Gauges

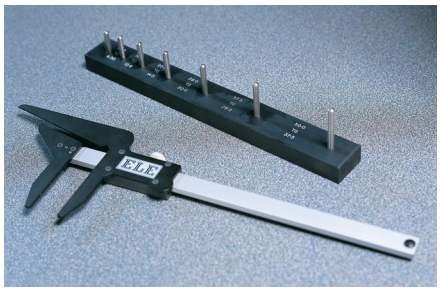
Comprising of 1 each, 4.9 mm, 7.2 mm, 10.2 mm, 14.4 mm,19.7 mm, 26.3 mm and 33.9 mm.

Standards

BS 813

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Length Gauge

Code: 42-0820
Product Group: Elongation Index

Manufactured to the dimensions specified in BS 182.

Standards

BS 812-105

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

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

De-Aired Water Apparatus 15 Litre Capacity

Code: 25-1833/01

Product Group: De-Aired Water

This compact self-contained unit will de-air water quickly and efficiently down to levels of dissolved oxygen acceptable for geotechnical test methods. Air is removed from the water by a vacuum system, which continuously circulates the water in the tank. The unit is supplied with a clear water container, which will hold a maximum of 15 litres of water. Input and output lines are formed using standard 6 mm tube connectors.

Standards

BS 1377-1

Specification

Dimension	380 x 356 x 470 mm (l x w x h).

Digital Tritest 50 Load Frame

Code: 25-3518/01

Product Group: Digital Tritest 50 Load Frame, CBR Load Frames, Triaxial Load Frames

- Microprocessor control
- Large on-board LED screen display
- Direct entry via a touch sensitive keyboard
- Rapid approach and return to datum of platen
- Fully variable speed, 0.00001 to 9.99999 mm/min
- Samples up to 100 mm diameter

This 50 kN capacity machine, designed primarily for triaxial testing of soil specimens up to 100 mm diameter x 200 mm long, comprises a rigid twin column construction with an integral fully variable microprocessor controlled drive unit and LCD display with a touch sensitive keyboard. The machine is normally bench mounted for ease of installation and operation.

The use of a microprocessor controlled drive system and keyboard entry provides the Digital Tritest 50 with a wide variety of features which include pause and speed reset during test, RS 232C, operator programming of speed and control functions, self test diagnostics and many other features.

A robustly constructed steel case houses the motor drive system with careful attention being given to the prevention of ingress of water or grit. All operating controls are mounted on the front panel of the machine, which is angled and recessed to prevent physical and environmental damage.

Standards

BS 1377-7, BS 1377-8, BS 1924-2, ASTM D1883, ASTM D2166, ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180, AASHTO T193, AASHTO T208, AASHTO T296, AASHTO T297

Further Information

Complete with RS 232C interface.

Specification

Capacity	50kN (11,200 lbf).
Speed Range	English mode: 0.000001 to 0.399999 in/min. Metric mode: 0.00001 to 9.99999 mm/min.
Rapid Approach Speed	1.0 in/min. (25 mm/min.).

Platen Travel	100mm (3.9”); limit switch protection.
Platen Diameter	133 mm (5.2")
Vertical Clearance	910 mm, (36 .8”) maximum; 305mm, (12”) minimum.
Horizontal Clearance	364mm, (15 .3”).
Serial Interface	RS232C; programmable baud rate and protocol.
Overall Dimensions	500 x 500 x 1,470 mm, (19.7” w. x 19.7” d. x 57.8” h).
Weight	Net 100kg (220 lbs); Shpg. 136kg (300 lbs).

50mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: 25-4047

Product Group: Triaxial Cell, Triaxial Cells

- Working pressure up to 1700 kPa
- All round visibility
- Sample sizes 38 to 100 mm diameter
- Rapid assembly and dismantling
- Accepts a range of interchangeable submersible load transducers

This range of precision made triaxial cells has been designed to meet the requirements of the modern soils laboratory. The cells have been treated to minimise corrosion. Particular attention has been paid to the quality of finish between the piston and the head. Final assembly includes the fitting of an O-ring seal and the use of special lubricant to reduce friction to a minimum and eliminate water leakage.

The piston load capacity is designed to accept high horizontal forces which may be present during the final stages of a test. Each cell has five take-off positions drilled in the base for top drainage/back pressure, pore water pressure and bottom drainage. Two no-volume change valves and an anvil for strain gauge/transducer datum are supplied for fitting to the cell.

A feature of these cells is that they all accept a single diameter piston. The internal height is such that a range of submersible load transducers can be fitted without any modification. Each cell will accept a range of base adaptors and various accessories for testing a wide range of specimens

Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

Specification

Cell size	50 mm
Max specimen size	50 x 100 mm
Working pressure	1700 kPa
Max piston load	45 kN
Vertical clearance required	380 mm
Horizontal clearance required	155 mm
Weight kg	4

38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: 25-4166

Product Group: Base Pedestals, Specimen Base Adaptors

38mm/1.5 Inch Base Adaptor with Twin Pore Pressure Ports for 50mm Cells.

Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

Piston Restraint Clamp for Ele Triaxial Cells

Code: 25-4200

Product Group: Aggressive Materials, General Cell Accessories

For ELE Triaxial Cells Manufactured From July 1996.

Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

Further Information

To lock the loading piston into position

Dial Gauge 25mm Travel X 0.01mm Divisions

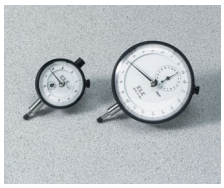
Code: 25-4210
Product Group: Axial Displacement, Digital Tritest 50 Load Frame

25 mm travel x 0.01 mm

Standards

BS 1377

Spares/Consumables



Dial Indicator - 1.0" Range

Code: 88-4100

Membrane Placing Tool 35mm/38mm.

Code: 25-4290

Product Group: Membrane Placing Tools, O-Ring Placing Tools

Membrane Placing Tool For 35Mm/1.4 Inch And 38Mm/1.5 Inch Samples.

Standards

ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297, ASTM D7181

Valve No Volume Change 1/4 Inch BSp Fitted with 6 mm Connector and Integral Sealing Ring.

Code: 25-4520

Product Group: General Cell Accessories, Accessories for CU/CU effective stress

Standards

ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T296, AASHTO T297

Pressure Pad 38mm/1.5 Inch Diameter.

Code: 25-5050
Product Group: Pressure Pads

38 mm / 1.5 Inch diameter pressure pad. The pad shall have two empty ports and will come complete with two blanking plugs, plastic tubing and connector. Suitable For both drained and undrained tests.

Standards

ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T296, AASHTO T297

Rubber Membrane 38mm/1.5 Inch Diameter. Pack of 10.

Code: 25-5061
Product Group: Rubber Membranes

Rubber Membrance For 38Mm/1.5 Inch Samples (Pack Of 10).

Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181

Membrane Sealing Ring 38mm/1.5 Inch Diameter. Pack of 10.

Code: 25-5081

Product Group: Membrane Sealing Rings

Membrane Sealing Ring 38Mm Diameter (Pack Of 10).

Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084

Suction Membrane Device 38mm/1.5 Inch Diameter.

Code: 25-5100

Product Group: Suction Membrane Devices, Suction Membrane Device

Suction Membrane Device For 38Mm/1.5 Inch Samples.

Two-Way Split Former 38mm/1.5 Inch Diameter.

Code: 25-5120

Product Group: Two-way Split Formers, Two-Way Split Formers

Two-Way Split Former For 38Mm/1.5 Inch Samples.

Porous Disc 38mm/1.5 inch Diameter. Pack of 2.

Code: 25-5181

Product Group: Accessories for CU/CU effective stress, Porous Stones

Porous disc for 38 mm/1.5 inch samples (Pack of 2).

Filter Paper Drain 38mm/1.5 inch Diameter. Pack of 50.

Code: 25-5200

Product Group: Accessories for CU/CU effective stress, Filter Paper Drains

Filter paper drain 38 mm diameter (Pack of 50).

Pressure Test 1700 Oil/Water Constant Pressure System 0 to 1700kPa 220-240V 50/60Hz 1Ph.

Code: 26-1800/01

Product Group: Air/Water Pressure Systems - up to 1000 kPa, Oil/Water Constant Pressure System

- 0 to 1700 kPa (250 lbf/in²) fully variable
- Continuous constant pressure control
- One litre capacity

The ELE oil/water constant pressure system , PressureTest 1700, is extemely versatile and can be used in conjunction with a wide range of test equipment. The unit provides continuous variable pressure up to 1700 kPa. Pressure is increased or decreased simply by turning a control wheel.

The apparatus is supplied without a gauge for those customers who have suitable pressure monitoring equipment. A digital pressure gauge is offered as an accessory. The machine features a clear hydraulic/water interface reservoir and up to one litre capacity of water is available under pressure.

Further Information

Dimensions (without gauge) 240 x 400 x 500 mm (l x w x h).

Spares/Consumables

Oil 5 Litres T46

Code: 26-1805

Digital Pressure Gauge 1700 kPa for Use with 26-1800 Series Oil/Water Constant Pressure System.

Code: 26-1820
Product Group: N/A

•Capacity: 1700 kPa
•Units: pressure can be indicated in bar mbar / hPa psi kPa mPa
•Accuracy: better than 1% of indicated pressure
•Measurement interval: twice per second
•Pressure connection: 1/4"" bsp
•Power supply: 3 volt battery cr 2430 type
• Battery life: 1400 hours continuous operation
•Capacity: 1700 kPa
•Units: pressure can be indicated in bar mbar / hPa psi kPa mPa.

Universal Pump and Pressure Indicating Panel 1700Kpa.

Code: 26-1880

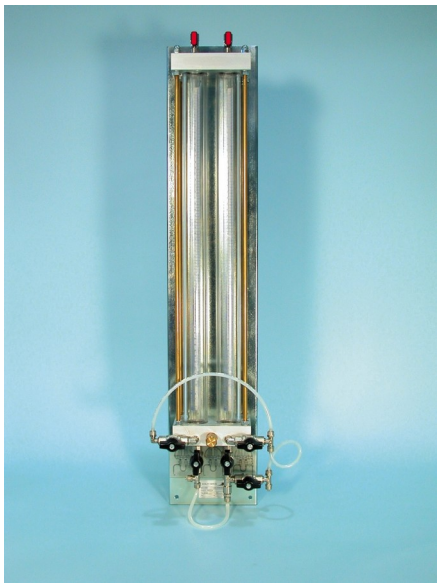
Product Group: Modular Pressure Panel System

This is the main pressure display in the system for monitoring various pressures and also provides fine control of the pressure within the system using the rotary hand pump. The unit is fitted with a dual calibrated 250 mm diamter pressure gauge, four inlet/outlet no-volume change valves, screw controlled rotary hand pump, water reservoir and isolating valves. The unit is housed in a hinged case for wall or bench mounting. By using an isolating valve the panel may be used to monitor cell or back pressure. 1700 kPa and 250 lbf/in2.

Spares/Consumables

Pressure Gauge 1700Kpa (250Psi) 250mm Diameter.

Code: 26-1865/10



Twin Burette Volume Change Unit.

Code: 26-1892

Product Group: Volume Change Measurement

Fitted with reversing valve and by-pass valve. The unit is fitted with burettes graduated 0 to 100 ml x 0.2 ml and is mounted on a solid panel for wall or bench mounting supplied with 100 ml capacity x 0.2 ml burettes.

Nylon Tubing 6mm Od 3500Kpa.

Code: 26-1926

Product Group: Permeability of Rock, Volume Change Measurement

6 mm outside diameter x 4 mm inside diameter. For use up to a pressure of 3500 kPa. Priced per metre.

Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

Code: 27-1620

Product Group: Oil/Water Constant Pressure System, Pressure Measurement, Digital Pressure Gauge

For ELE Triaxial Cells. The Digital Pressure Gauge offers highly accurate pressure measurement and digital readout for ELE triaxial cells.

Standards

ASTM D2850, ASTM D4767, ASTM D7181, ASTM D5084, AASHTO T296, AASHTO T297

Specification

Capacity	250 psi (1,700 kPa).
Display	LCD.
Display Units	PSI, kPa, MPa.
Accuracy	Better than 1% of indicated pressure.
Read Rate	Two samples per second.
Power Supply	3 volt battery, CR 2340 type.
Battery Life	1400 hours continuous operation.
Dimensions	2.30” w. x 1.25 ” d. x 3.75” h. (59 x 32 x 95 mm.)
Weight	Net 1/4 lb. (125 g).

Clamped Boss Load Ring - 4.5 kN

Code: 78-0260

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

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)

Spares/Consumables

Spare Dial Indicator for Load Rings

Code: 78-5461

Two Part Split Mould 38mm

Code: 25-5130

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

Drainage Line for 25-4250

Code: 25-5050/10
Product Group: Replacement Drainage Line

1.4" Specimen Cap

Adaptor kit, to perform CBR on the Tritest 50 load frame

Code: 25-3518/10
Product Group: CBR Load Frames

Contains a platen adaptor and a stabilising bar

Bladder-Type Air/Water Pressure Assembly. 1000 Kpa Maximum Working Pressure.

Code: 26-1746

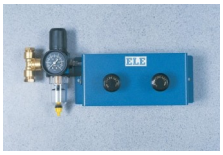
Product Group: Air/Water Pressure Systems - up to 1000 kPa

With transparent plastic chamber for operating continuously at pressures up to 1000 kPa. A length of tubing is provided for connecting the air/water cylinder outlet to a pressure measuring system.

• Used to supply hydraulic pressure from a pneumatic pressure source.
• Prevents air entering the hydraulic pressure system.

• Maximum working pressure 1000kpa.
• Supplied with connectors and tubing for fitting to pressure measuring systems.

Spares/Consumables



Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.

Code: 26-1760

Replacement Bladder Wide Neck (38mm Id)

Code: 26-1746/10

Replacement Bladder Wide Neck (38mm Id)

Code: 26-1746/10

Product Group: Air/Water Pressure Systems - up to 1000 kPa

Oil 5 Litres T46

Code: 26-1805
Product Group: Oil/Water Constant Pressure System

5 litres

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

Code: 26-2270

Product Group: Laboratory Vane Apparatus, Laboratory Vane Apparatus

The equipment is based on a design by the Transport Research Laboratory, England, and is available in hand or motorised versions. Stress is applied through the 12.7 x 12.7 mm vane by means of any one of four calibrated springs.

Standards

BS 1377

Further Information

Hand-operated, complete with 4 calibrated springs and a 12.7 mm diameter x 12.7 mm long vane.

Spares/Consumables

Set of 4 Calibrated Springs for Laboratory Vane Apparatus.

Code: 26-2275/10

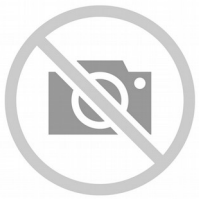
Vane 12.7mm Diameter X 19mm Long

Code: 26-2281
Product Group: Laboratory Vane Apparatus, Laboratory Vane Apparatus

Standards

BS 1377

Spares/Consumables



Set of 4 Calibrated Springs for Laboratory Vane Apparatus.

Code: 26-2275/10

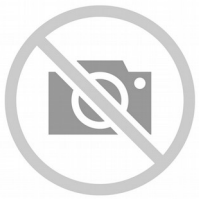
Vane 12.7mm Diameter X 25.4mm Long.

Code: 26-2283
Product Group: Laboratory Vane Apparatus, Laboratory Vane Apparatus

Standards

BS 1377

Spares/Consumables



Set of 4 Calibrated Springs for Laboratory Vane Apparatus.

Code: 26-2275/10

Set of 4 Calibrated Springs for Laboratory Vane Apparatus.

Code: 26-2275/10

Product Group: Laboratory Vane Apparatus, Laboratory Vane Apparatus

Standards

BS 1377

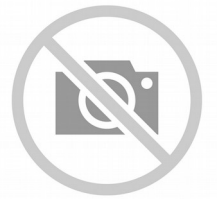
Vane 12.7mm Diameter X 12.7mm Long.

Code: 26-2279
Product Group: Laboratory Vane Apparatus, Laboratory Vane Apparatus

Standards

BS 1377

Spares/Consumables



Set of 4 Calibrated Springs for Laboratory Vane Apparatus.

Code: 26-2275/10

Manometer Tubes & Stand.

Code: 25-0591
Product Group: Constant Head Apparatus

Comprising three glass tubes of constant bore, metre scale and connecting tubing for cell pressure take-off points, all mounted on a free-standing panel.Comprising three glass tubes of constant bore, metre scale and connecting tubing for cell pressure take-off points, all mounted on a free-standing panel.

Standards

BS 1377-5

Constant Level Tank.

Code: 25-0593
Product Group: Constant Head Apparatus

Manufactured from transparent plastic with attachment for wall mounting. The inlet, outlet and overflow pipes are fitted to the base
of the tank and can be adjusted for height within the tank. Supplied complete with connecting tubing.

Standards

BS 1377-5

Constant Head Permeability Cell 75mm Diameter Specimen.

Code: 25-0580
Product Group: Constant Head Apparatus

75 mm Diameter

Standards

BS 1377-5

Specification

Nominal Cell inside diameer	75 mm
Cell wall	Transparent plastic
Take-off points	3
End plates	Anodised aluminium
Weight kg	2.6

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

Casagrande Grooving Tool Aashto

Code: 24-0461

Product Group: AASHTO Grooving Tool, Casagrande Method, Motorized Liquid Limit Device

- Rust resistant brass construction.
- 1 cm gage block located at end of handle.

The AASHTO Grooving Tool is used to control the width of the soil groove in the liquid limit cup, in accordance with AASHTO specifications.

Standards

AASHTO T89

Further Information

Brass construction with a gauge height of 1 cm.

Specification

Construction	Brass.
Gauge Height	1 cm.
Weight	Net 3 oz. (85 g).

Spares/Consumables

ASTM Plastic Grooving Tools

Code: 24-0451

Glass Plate.

Code: 24-0430
Product Group: Casagrande Method, Determination of Plastic Limit

500 mm square x 10 mm thick.

Standards

BS 1377-2

Soil Colour Chart Set

Code: 23-7150
Product Group: Soil Colour Charts, Soil Color Charts

The Munsell Soil Color Charts is an affordable way to evaluate the type of soil that is present within a given area. The book is set up to allow users to make soil color evaluations in the field quickly and easily. The soil classification system that has been developed around the Munsell color system is an established and accepted process to assign a soil type. This classification system has been used in the United States for more than 55 years to aid in the management and stewardship of natural resources. Through the use of the Munsell Soil Color Charts, practitioners from a wide range of professions can share reliable and consistent information about the color of soils at a particular site with colleagues anywhere around the world. The Munsell Soil Color Charts are used by a variety of industries and professions such as universities and high schools, forestry, forensics, environmental and soil science, building and contracting, landscaping, real estate, health departments, geology and archaeology.

Further Information

The following pages are included in the Munsell Soil Color Charts:

- Munsell 10R Soil Chart
- Munsell 10YR Soil Chart
- Munsell 2.5Y Soil Chart
- Munsell 2.5YR Soil Chart
- Munsell 5Y Soil Chart
- Munsell 5YR Soil Chart
- Munsell 7.5YR Soil
- 10Y - 5GY Colors - Olive greens Soil Chart
- Gley 1 & 2 (2 - Separate Charts) Soil Charts
- Munsell 5R Individual Soil Chart
- Munsell 7.5R Individual Soil Chart
- "New" White Page, 7.5R, 10YR, & 2.5Y

Specification

Munsell Book of Soil Color Charts

Durable binder contains 440 Munsell Color Standards
- Featuring ISCC-NBS color names
- Munsell alpha-numeric notation

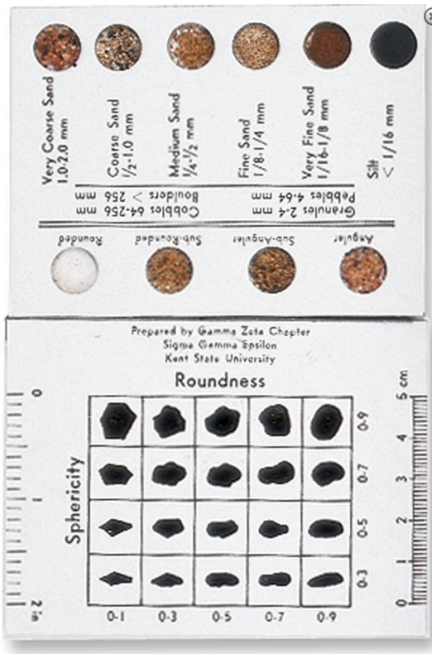
Color produced on water resistant substrate

Features Munsell notations for each color providing:
• Value (degree of lightness)
• Hue (color)
• Chroma (degree of saturation)

Used with medium, fine-grained, and coarse-grained rocks

Pages are cleanable and can be exposed to standard environmental conditions in the field

Dimensions
• Binder Size 150 mm x 196 mm x 25 mm
• Page Size 111 mm x 184 mm
• Weight 0.9 kg



Sand Grading Chart

Code: 23-7130
Product Group: Sand Grading Chart

Pocket-sized folder enables the field geologist to quickly and accurately identify grain size and shape, grain sorting, roundness, and sphericity of a sample. Consists of sphericity/roundness measuring chart; printed examples of well-sorted and poorly-sorted grain samples in fine, medium, and coarse ranges; four actual grain samples illustrating angular, subangular, subrounded, and rounded shapes; six grain size samples: silt, very fine sand, fine sand, medium sand, coarse sand, and very coarse sand. Measurement limits for granules, pebbles, cobbles, and boulders indicated.

Specification

Sample Panels	Very coarse; coarse; medium; fine; very fine; silt.
Particle Shape Panels	Angular; sub-angular; sub-rounded and rounded.
Chart Size	3-1/4” w. x 4” h. (83 x 102 mm).
Weight	Net 1 oz. (28 g).

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

Mortar and Pestle Porcelain.

Code: 23-3505
Product Group: Sample Reduction

Thick walled porcelain mortar; 107mm internal diameter and porcelain pestle.

Wash Bottle

Code: 82-2500
Product Group: Bottles and Crucibles

Polythene, 500 ml capacity.

Further Information

NOT AVAILABLE FOR SALE IN THE USA

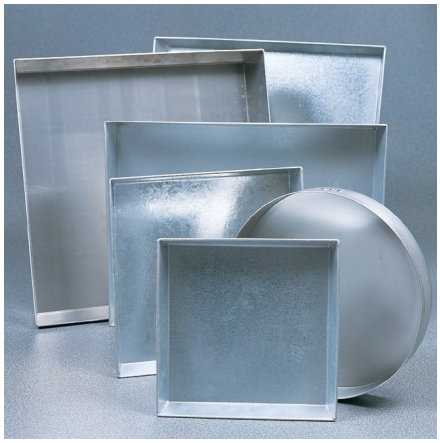
Moisture Content Tin

Code: 81-2979

Product Group: Moisture Content Tin and Sample Containers

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Sample Tray - 406 x 406 x 50 mm

Code: 81-4030
Product Group: Sample Trays

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Bowl - 2.5 litre

Code: 81-5020
Product Group: Beakers and Bowls

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Bowl - 5 litre

Code: 81-5040
Product Group: Beakers and Bowls

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Bowl - 11 litre

Code: 81-5060
Product Group: Beakers and Bowls

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Spatula 100 mm

Code: 81-0100
Product Group: Spatulas

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Electronic Balance - 4 500 g x 0.01 g

Code: 78-5456/01
Product Group: Electronic Balances

Further Information

Not available for sale in the USA

Specification

Capacity resolution	4500 g x 0.01 g
Pan size	160 x 160 mm
Mains and battery	No
Dimensions (l x w x h)	260 x 170 x 90 mm
Weight	6 kg

Electronic Balance - 20 000 g x 0.1 g

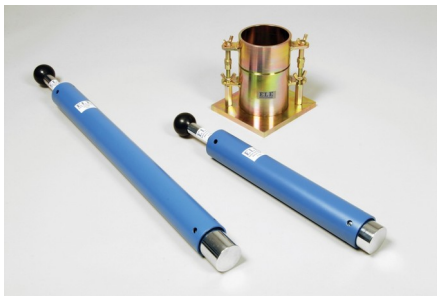
Code: 78-5485/01
Product Group: Electronic Balances

Further Information

Not available for sale in the USA

Specification

Capacity resolution	20000 g x 0.1 g
Pan size	340 x 300 mm
Mains and battery	Yes
Dimensions (l x w x h)	314 x 460 x 125 mm
Weight	18 kg



BS Standard Compaction Mould 1000Cm Capacity.

Code: 24-9000

Product Group: Accessories for BS compaction and CBR, BS/EN compaction test 2.5kg

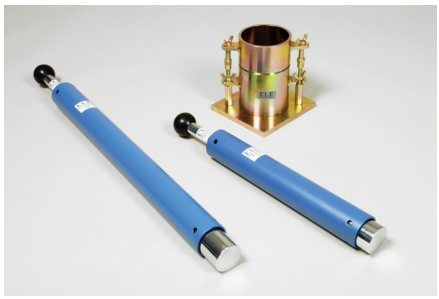
Plated steel standard compaction mould to BS 1377, comprising of a collar mould body and base plate with quick release wing nuts for easy dismantling.

Standards

BS 1377-4, BS 1924-2

Specification

Mould volume	1 litre
Dimensions	105 mm dia x 115.4 mm high
Construction	All steel, threaded studs with wing nuts, plated.
Weight	5.5 kg



Standard Compaction Rammer 2.5Kg BS1377-1975

Code: 24-9002

Product Group: BS/EN compaction test 2.5kg

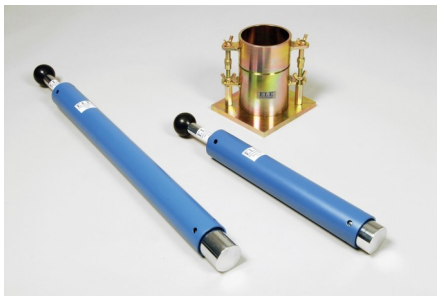
50mm diameter with 300mm drop, manufactured from corrosion protected steel.

Standards

BS 1377-4, BS 1924-2

Specification

Rammer	50 mm dia, 2.5 kg
Drop	300 mm
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight kg	4.2



BS Compaction Rammer 4.5Kg Wt.

Code: 24-9004
Product Group: BS/EN compaction test 4.5kg, Straightedge

50mm diameter with 450mm drop, manufactured from corrosion protected steel.

Standards

BS 1377-4, BS 1924-2

Specification

Rammer	50 mm dia, 4.5 kg
Drop	450 mm
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight kg	7.5

Proctor Mould

Code: 24-9060

Product Group: Accessories for ASTM and Proctor compaction, Proctor compaction

Standards

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

Specification

Dimensions	101.6 mm dia x 116.4 mm high
Rammer Mould Volume	1/30 ft^3
Construction	All steel, threaded studs with wing nuts, plated.
Weight	5.4 kg

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)

BS Cbr Mould Body.

Code: 24-9198

Product Group: BS EN CBR mould, Accessories for BS compaction and CBR

Standards

ASTM D1883, AASHTO T193

Specification

Mould	152 x 127 mm (inside diameter x height)
Collar	51 mm height, fits both ends of mould
Base plate	Solid, fits both ends od mould
Construction	All steel, plated
Weight kg	7.3

BS Extension Collar

Code: 24-9200
Product Group: BS EN CBR mould acccessories, Accessories for BS compaction and CBR

Standards

EN 13286-4, BS 1377-4, BS 1924-2

BS Solid Base or Top Plate

Code: 24-9204
Product Group: BS EN CBR mould acccessories, Accessories for BS compaction and CBR

Standards

EN 13286-4, BS 1377-4, BS 1924-2

BS Perforated Base Plate.

Code: 24-9202
Product Group: BS EN CBR mould acccessories

To fit mould body

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

Code: 24-9206
Product Group: BS EN CBR mould acccessories

To fit BS/EN mould body.

Standards

EN 13286-4, BS 1377-4, BS 1924-2

C-Spanner for BS Cbr Mould. Two Required.

Code: 24-9208
Product Group: BS EN CBR mould acccessories

To fit BS/EN CBR moulds and collars. Two required.

Standards

BS 1377-4, BS 1924-2, EN 13286-4

Base Plate Tool for BS Mould

Code: 24-9210
Product Group: BS EN CBR mould acccessories

To fit into base plate to assist removal from mould body.

Standards

EN 13286-4, BS 1377-4, BS 1924-2

2Kg Split Surcharge Weight.

Code: 24-9216
Product Group: BS EN CBR mould acccessories

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Tamping Rod 16mm Dia X 600mm long hemispherical at both ends.

Code: 34-0130

Product Group: Precision Air Entrainment Meter, Slump Test, Accessories for Concrete Moulds

Steel, 600 mm long x 16 mm dia, hemispherical at both ends

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

Code: 24-9220
Product Group: BS EN CBR mould acccessories

Box of 100.

Standards

EN 13286-4, BS 1377-4, BS 1924-2

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

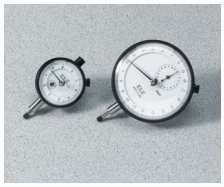
Further Information

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).

Spares/Consumables



Dial Indicator - 1.0" Range

Code: 88-4100

Soaking Tank.

Code: 25-0613
Product Group: Compaction Permeameter

With fixed overflow. Used for containing permeability cell during test.

Dial Gauge 25mm Travel X 0.01mm Divisions.

Code: 24-9275
Product Group: Expansion (swell) Test Equipment

25 mm travel x 0.01 mm.

150mm Dia Gravel Auger Head.

Code: 23-1517
Product Group: Soil and Gravel Auger Heads

Comprises one piece steel casting with a spiral point and two plates designed to close when lifting samples from the borehole; suitable for gravel and sand.

100mm Dia Soil Auger Head

Code: 23-1501

Product Group: Soil and Gravel Auger Heads

Constructed of heavy-duty steel plates; partly interlocked at the cutting end and suitable for cohesive soils.

50mm Dia Dutch Soil Auger Head.

Code: 23-1525
Product Group: Soil and Gravel Auger Heads

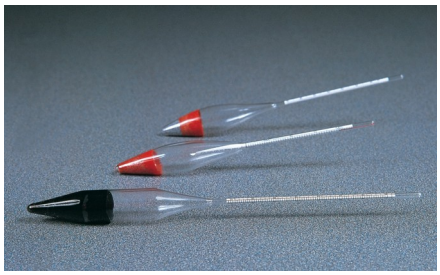
Constructed of heavy-duty steel plates; partly interlocked at the cutting end and suitable for fine, silty sand.

38mm Diameter Sample Tube 230mm Long Complete with End Caps.

Code: 23-1577

Product Group: Extension Rods, Handles and Tools

Supplied without Adaptor, but with two end caps



Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

Code: 24-4620
Product Group: Soil Hydrometers

Graduated 0.995 to 1.030 g/ml.

Standards

ASTM D422, BS 1377, EN 1997-2, ASTM E100, AASHTO T88

Hydrometer Sedimentation Cylinder

Code: 24-4700

Product Group: Hydrometer Sedimentation Cylinder, Hydrometer Jar

Glass, 1000 ml capacity complete with rubber bung.

Standards

BS 1337, ASTM D422, AASHTO T88

Further Information

1000Ml Glass

Spares/Consumables

Solid Rubber Stopper

Code: 4699-0881

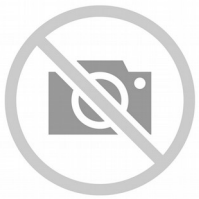
Sodium Hexametaphosphate 500G.

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

Nomographic Chart for The Determination of Stokes Law.

Code: 24-4800
Product Group: Hydrometer Sedimentation Cylinder

For the determination of Stoke's Law.

Standards

ASTM D422, AASHTO T88

Pyknometer Complete with Non-Corrodable Cone and Rubber Seal 1Kg Capacity

Code: 24-2885

Product Group: Particle Density: Pyknometer Methods, Pycnometer Top and Jar

Glass jar complete with noncorrodible cone.

Standards

BS 1377, BS 812-2, EN 1097-7, EN 1997-2, ASTM D854, AASHTO T100, ASTM C128, AASHTO T84

Density Bottle 25Ml.

Code: 24-2890

Product Group: Particle Density: Pyknometer Methods

Supplied complete with capillary vent stopper. Conforms to BS 733 and ISO 3507. Gay-Lussac type.

Standards

BS 1377, BS 812-2, EN 1097-7, ASTM D854, AASHTO T100

50Ml Density Bottle with Perforated Stopper.

Code: 24-2900

Product Group: Particle Density: Pyknometer Methods

Supplied complete with capillary vent stopper. Conforms to BS 733, and ISO 3507. Gay-Lussac type.

Standards

ASTM C128, AASHTO T84

100Ml Density Bottle with Perforated Stopper.

Code: 24-2950

Product Group: Particle Density: Pyknometer Methods

Supplied complete with capillary vent stopper. Gay-Lussac type.

Standards

ASTM C128, AASHTO T84

Gas Jar 75mm Dia X 300mm with Glass Cover and Rubber Bung.

Code: 24-2830

Product Group: Gas Jar Method

1 litre capacity complete withrubber bung and glass cover.

Standards

BS 1377, EN 1997-2

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

Code: 23-4090

Product Group: Soil Extruders

This Sample Extruder comprises a vertically mounted lever action hydraulic jack, with the body extended to form a chamber which accommodates a 38 mm diameter sample tube. Supplied complete with trimming knife, 38 mm split former and wire saw.

Standards

BS 1377-1