

















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

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35-2846

200mm "Demec" Mechanical Strain Gauge

35-2302/09

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

535-210/01

Colony Counter 220-240V 50Hz 1Ph.

34-8100/09 Buoyancy Balance

509-105 Automatic Weather Station

46-5295/01

Semi-Automatic Penetrometer

46-5340/C

Penetration Needle

46-5500/01 Constant Temperature Bath 21 - 56°C

46-5800 **Transfer Dish**

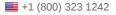
46-5860 **Penetration Tin**

46-4605 BS/EN Ring and Ball Apparatus

46-4825/01 Magnetic Stirrer

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

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.

+44 (0)1525 249 200

+1 (800) 323 1242

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.

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





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.

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 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.

+44 (0)1525 249 200



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.

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

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 25MI.

24-2900

50MI Density Bottle with Perforated Stopper.



24-2950

100MI 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.







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

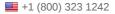
- Uniform glare-free illumination.
- Angled front for operator comfort.
- Counter triggered by depressing petri dish.
- Digital display of results.
- Built in magnifier.

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.







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

Further Information









Automatic Weather Station

Code: 509-105 Product Group: Environmental weather station







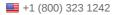
Semi-Automatic Penetrometer

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







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





Constant Temperature Bath 21 - 56°C

Code: 46-5500/01 Product Group: Penetration Test

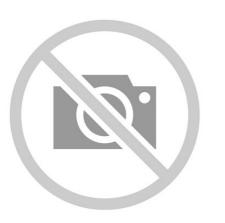
A bench mounting bath specially designed for the conditioning of bitumen samples prior to penetration tests. Incorporating a highly accurate thermostat, the bath maintains a temperature between 21 and 56°C \pm 0.1°C (at ambient). An integral cover and deep tray for penetration testing are supplied as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

Further Information

Not available for sale in the USA







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





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

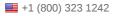
Code: 46-4825/01 Product Group: Ring and Ball Apparatus

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







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







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







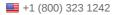
Set of Flakiness Sieves Comprising 1 Ea 4.9mm 7.2mm 10.2mm 14.4mm 19.7mm 26.3mm and 33.9mm

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







Length Gauge

Code: 42-0820 Product Group: Elongation Index Manufactured to the dimensions specified in BS 182.

Standards BS 812-105

Further Information





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

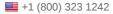
Further Information

NOT AVAILABLE FOR SALE IN THE USA

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

Specification

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





De-Aired Water Apparatus 15 Litre Capacity

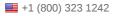
Code: 25-1833/01 Product Group: De-Aired Water

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

Rapid Approach Speed

Complete with RS 232C interface.

Specification

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

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Platen Travel

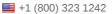
Platen Diameter Vertical Clearance

Horizontal Clearance Serial Interface

Overall Dimensions

Weight

100mm (3.9"); limit switch protection. 133 mm (5.2") 910 mm, (36 .8") maximum; 305mm, (12") minimum. 364mm, (15 .3"). RS232C; programmable baud rate and protocol. 500 x 500 x 1,470 mm, (19.7" w. x 19.7" d. x 57.8" h). 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

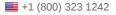
Standards

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

mm

Specification

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







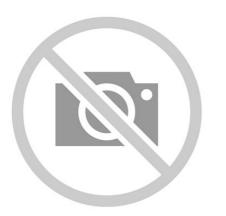
38mm/1.5 Inch Base Adaptor for 50mm Cells.

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

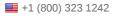
For ELE Triaxial Cells Manufactured From July 1996.

Standards

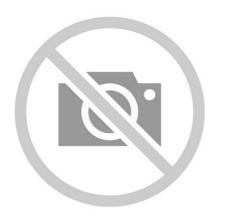
BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

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



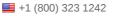


Pressure Pad 38mm/1.5 Inch Diameter.

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





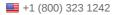


Suction Membrane Device 38mm/1.5 Inch Diameter.

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



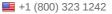
Digital Pressure Gauge 1700 kPa for Use with 26-1800 Series Oil/Water Constant Pressure System.

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

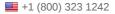
This is the main pressure display in the system for monitoring various pressures and also provides fine control of the pressure within the system using the rotary hand pump. The unit is fitted with a dual calibrated 250 mm diamter pressure gauge, four inlet/outlet no-volume change valves, screw controlled 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 \times 0.2 ml and is mounted on a solid panel for wall or bench mounting supplied with 100 ml capacity \times 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

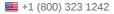
Capacity Display Display Units Accuracy

Read Rate Power Supply Battery Life

Dimensions

Weight

250 psi (1,700 kPa). LCD. PSI, kPa, MPa. Better than 1% of indicated pressure. Two samples per second. 3 volt battery, CR 2340 type. 1400 hours continuous operation. 2.30" w. x 1.25 " d. x 3.75" h. (59 x 32 x 95 mm.) 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 Typical Design sensitivity: N/div, kgf/div, lbf/div	4.5, 450, 1000 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.







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.







Vane 12.7mm Diameter X 25.4mm Long.

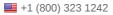
Code: 26-2283 Product Group: Laboratory Vane Apparatus, Laboratory Vane Apparatus

Standards BS 1377

Spares/Consumables



Set of 4 Calibrated Springs for Laboratory Vane Apparatus.







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.





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

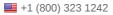
75 mm Diameter

Standards BS 1377-5

Specification

Nominal Cell inside diameer Cell wall Take-off points End plates Weight kg

75 mm Transparent plastic 3 Anodised aluminium 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

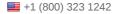
Construction Gauge Height Weight Brass. 1 cm. Net 3 oz. (85 g).

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)

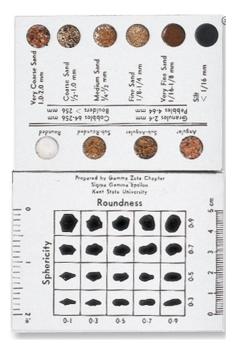
Used with medium, fine-grained, and coarse-grained rocks

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

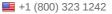
Pocket-sized folder enables the field geologist to quickly and accurately identify grain size and shape, grain sorting, roundness, and sphericity of a sample. Consists of sphericity/roundness measuring chart; printed examples of well-sorted and poorly-sorted grain samples in fine, medium, and coarse 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

Particle Shape Panels

Chart Size Weight Very coarse; coarse; medium; fine; very fine; silt. Angular; sub-angular; sub-rounded and rounded. 3-1/4" w. x 4" h. (83 x 102 mm). 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.







Moisture Content Tin

Code: 81-2979 Product Group: Moisture Content Tin and Sample Containers









Sample Tray - 406 x 406 x 50 mm

Code: 81-4030 Product Group: Sample Trays









Bowl - 2.5 litre

Code: 81-5020 Product Group: Beakers and Bowls









Bowl - 5 litre

Code: 81-5040 Product Group: Beakers and Bowls









Bowl - 11 litre

Code: 81-5060 Product Group: Beakers and Bowls









Spatula 100 mm

Code: 81-0100 Product Group: Spatulas







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 Pan size Mains and battery Dimensions (I x w x h) Weight 4500 g x 0.01 g 160 x 160 mm No 260 x 170 x 90 mm 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 Pan size Mains and battery Dimensions (I x w x h) Weight 20000 g x 0.1 g 340 x 300 mm Yes 314 x 460 x 125 mm 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

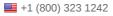
Specification

Mould volume Dimensions Construction

Weight

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

www.ele.com







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 Drop Guide Sleeve

Finish Weight kg 50 mm dia, 2.5 kg 300 mm Machined steel tubing with air pressure release holes Corrosion resistant 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.

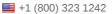
Standards BS 1377-4, BS 1924-2

Specification

Rammer Drop Guide Sleeve

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





ELF



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 Rammer Mould Volume Construction

Weight

101.6 mm dia x 116.4 mm high 1/30 ft³ All steel, threaded studs with wing nuts, plated. 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

Drop Guide Sleeve

Finish Weight 2" diam. (50.8 mm); 10 lbs. (4.5 kg). 18" (457.2 mm). Machined steel tubing with integrally spun end cap; air pressure release holes. Corrosion resistant 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

Collar

Base plate Construction Weight kg 152 x 127 mm (inside diameter x height)51 mm height, fits both ends of mouldSolid, fits both ends od mouldAll steel, plated7.3







BS Extension Collar

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







BS Solid Base or Top Plate

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







BS Perforated Base Plate.

Code: 24-9202 Product Group: BS EN CBR mould accessories To fit mould body







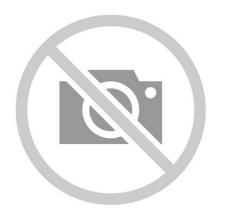
Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

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

To fit BS/EN mould body.







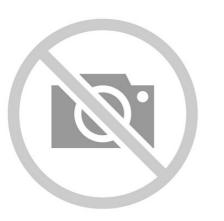
C-Spanner for BS Cbr Mould. Two Required.

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 accessories

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







2Kg Split Surcharge Weight.

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





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







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

Code: 24-9220 Product Group: BS EN CBR mould accessories Box of 100.







Swell Plate

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

With adjustable stem.

Standards ASTM D1883, AASHTO T193

Specification

Base Plate

Contact Head

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



ELF



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

Contact Head

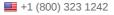
Construction Weight Machined, one-piece cast aluminum. Integral part of ssembly; holds dial indicator. 2" I. (50.8 mm) included. Net 1 lb. (0.4 kg).

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.





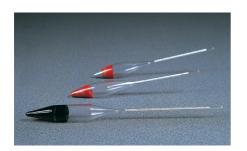
38mm Diameter Sample Tube 230mm Long Complete with End Caps.

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

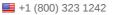
1000MI Glass

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

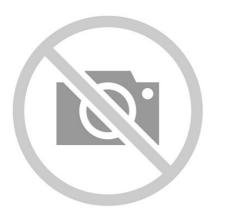


Solid Rubber Stopper

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









50MI 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







100MI 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

