

















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



This wishlist was generated on 31/05/2019, and contains the following Products:

23-4200

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

23-7502

Speedy Moisture Tester D2 Small 0-20% Moisture Range. Supplied Less Calcium Carbide

24-0410

Liquid Limit Device BS with Counter. C/W Metal Grooving Tool & Test Gauge.

24-4620

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

24-4640

Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

24-4650

Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

24-4865/01

Constant Temperature Bath 5 to 99.9 Deg.C X 0.1 Deg.C with Led Display and False Base Support.

24-8080/01

Automatic Soil Compactor BS CE Compliant

24-9150/01

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

24-9182

Penetration Piston

24-9184

Penetration/Swell Dial Gauge ASTM.

24-9186

Penetration Dial Gauge BS

24-9188

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

24-9198

BS Cbr Mould Body.

24-9200

BS Extension Collar

24-9202

BS Perforated Base Plate.

24-9204

BS Solid Base or Top 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

24-9212

Static Compaction Plug.

24-9214

2Kg Annular Surcharge Weight

24-9216

2Kg Split Surcharge Weight.

24-9220

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

24-9237

Spacer Disc 5-7/8" Diameter

24-9260

Swell Plate

24-9262

Swell Stand

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24-9275

Dial Gauge 25mm Travel X 0.01mm Divisions.

25-0402

Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

25-0408

Set of Weights 100Kg Total Weight.

25-0429

Floor Mounting Stand.

25-0440

Dial Gauge 10mm Travel X 0.002mm Divisions.

25-0503

Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

25-0580

Constant Head Permeability Cell 75mm Diameter Specimen.

25-0593

Constant Level Tank.

25-0605

Falling Head Permeability Cell.

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

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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 1.5"

25-5100

Suction Membrane Device 38mm/1.5 Inch Diameter.

25-5120

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

25-5130

Two Part Split Mould 38mm

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.

25-8090

Silicon Grease Lubricant.

26-1746

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

26-1760

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

26-1769

Nylon Tubing 30 Metre Length.

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26-1880

Universal Pump and Pressure Indicating Panel 1700Kpa.

26-1926

Nylon Tubing 6 mm OD x 4 mm ID 3500 Kpa

26-2114/01

Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

26-2132

Set of Weights 50 kg Slotted.

26-2197

Shear Box Assembly 100mm Sq.

26-2270

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

27-1500/01

GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

27-1555

S-Type Load Cell 25 kN.for Triaxial Tests. 27-1293 required separately.

27-1617

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

27-1633

Pressure Transducer Assembly 1700Kpa Fitted with 5 Pin DIN Plug.

27-1641

Volume Change Transducer Assembly 80ml Capacity Maximum Working Pressure 1700KPa

27-2753

DS7.3 Undrained Triaxial Shear Strength for Windows 10

42-1000/01

Buoyancy Balance 6Kg X 0.1G. Supplied with Support Frame Water Tank & Suspension Hook.

42-4005

Aggregate Impact Value Apparatus





42-5305/10

Set of 12 Abrasive Charges EN)

42-5310/01

Los Angeles Abrasion Machine with CE Safety Cabinet W/ Microswitches. 220-240V 50Hz 1Ph.

430-260

Turbidity Meter. Range 0-1000 FTU. Supplied with Carrying Case, Batteries and Calibration Solutions

430-550

Paqualab photometer

45-3803

Filter Discs Pack of 100

45-3810/01

Rotatest 1500

45-6310

Compaction Mould

45-6410

Compaction Pedestal BS 598

45-6460

Compaction Hammer

45-6462

Paper Discs

45-6463

Steel Block

45-6810/01

Marshall Test 50

45-6850

Breaking Head (Marshall)

45-6880

Flow Meter BS/EN

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46-3310/01

Cleveland Flash Cup Apparatus

46-4120

Ductility Testing Machine

46-4825/01

Electrical Hotplate with Integral Magnetic Stirrer

46-7003/01

Saybolt viscometer two place unit with furol and universal orifices

47-1460

Benkelman Beam

502-013

Splayed-base daily raingauge

506-124

Digital Electronic Temperature/Humidity Meter

521-050

Dissolved Oxygen / Temp Meter. with Electrode and Carrying Case

525-180/01

Laboratory Conductivity Meter

525-210/01

Laboratory Ph Meter with Ph Electrode Swing Arm Temp Probe Manual and Buffer Capsules.

78-0160

Clamped Boss Load Ring - 3.0 kN

78-0760

Clamped Boss Load Ring - 28.0 kN

78-0860

50kN Clamped Boss Load Ring

78-5655/01

Electronic Balance - 75 Kg x 5.0g

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79-7200

Sieve Brush Brass and Nylon

82-3510

Hydrometer

82-8500/01

Water Bath - 12 litres

83-1730/01

Air Compressor

83-5456

Dial Gauge

88-4340

Digital Stopwatch







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

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Speedy Moisture Tester D2 Small 0-20% Moisture Range. Supplied Less Calcium Carbide

Code: 23-7502

Product Group: Rapid method by Speedy Moisture Tester, Rapid method by Speedy Moisture Tester

Uses a technique based on the fact that water will react with calcium carbide to form a gas and that the quantity of gas formed is directly proportional to the water present. The gas pressure is indicated on a built-in pressure gauge. The pressure gauge calibrated in percentage of moisture. Has a moisture range of 0-20% with gauge divisions every 0.2%. Holds a sample size of 6 g. Includes an electronic balance of 200 g capacity x 0.1 g readability and is supplied in plastic carrying case.

Standards

ASTM D4944, AASHTO T217

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Specification

Model D2 Small
Moisture Range 0 to 20%
Gauge divisions 0.20%
Sample weight g 6
Weight complete kg 5.5

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Liquid Limit Device BS with Counter. C/W Metal Grooving Tool & Test Gauge.

Code: 24-0410

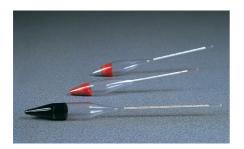
Product Group: Casagrande Method

With revolution counter. Complete with metal grooving tool and test gauge.

Standards BS 1377-2

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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

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Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

Code: 24-4640

Product Group: ASTM Soil Hydrometers, Soil

Hydrometers

Graduated -5 to +60 g/litre.

Standards

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

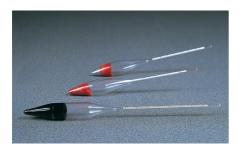
Specification

Construction
Scale
Calibration
Weight

Molded, seamless.
Bouyoucos; double scale.
At 68°F.
Net 4 oz. (113 g).

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Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

Code: 24-4650

Product Group: ASTM Soil Hydrometers, Soil

Hydrometers

Graduated 0.995 to 1.038 g/ml.

Standards

ASTM D422, ASTM E100, AASHTO T88

Specification

Construction Molded, seamless. Scale Bouyoucos; double scale. Calibration At 68°F.

Weight Net 4 oz. (113 g).







Constant Temperature Bath 5 to 99.9 Deg.C X 0.1 Deg.C with Led Display and False Base Support.

Code: 24-4865/01

Product Group: Constant Temperature Bath

- Specially designed for Sedimentation of Testing of Soils
- Stainless steel construction with toughened glass front for viewing samples
- Must hold six sedimentation cylinders
- Complies to: BS 1377-2 EN DD ENV1997-2 ASTM D422 AASHTO T88

Further Information

Specially designed for the sedimentation testing of soils and other fine grained material, the bath is supplied with a false bottom to assist in circulation of the bath liquid. Will accommodate six Sedimentation Cylinders.

Specification

Dimensions (l x w x h) 535 x 210 x 610 mm external Holds up to 6 sedimentation

cylinders

Construction Stainless steel with toughened

glass front

Temperature Control Heater/thermostat/circulation

with digital controller unit 5 to 99.9 Deg.C X 0.1 Deg.C

Power 1500 watts

Weight kg 12

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Automatic Soil Compactor BS CE Compliant

Code: 24-8080/01

Product Group: BS CE Automatic Compactors, Automatic Soil Compactor

- With NEW CE Compliant guarding as an extra safety measure for users
- Five models meeting requirements of BS/EN and ASTM available
- Complies to BS 1377-4, BS 1924-2, EN 13286-2, EN 13286-47, ASTM D558, ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134, AASHTO T180 standards
- Automatic re-setting of counter after completion of blow pattern

The time and effort required to prepare specimens for compaction studies and other test methods can often be costly and time-consuming. The use of an automatic, mechanical compactor will show considerable cost benefits over hand compaction methods.

These machines automatically compact specimens eliminating the laborious hand compaction method. The height and weight of the rammer are adjustable to suit test requirements.

An automatic blow pattern ensures optimum compaction for each layer of soil in compliance with the standards. The rammer travels across the mould and the table rotates the mould in equal steps on a base that is extremely stable. The number of blows per layer can be set at the beginning of the test.

Preset blow pattern ensures an even compaction, includes solid state controls for reliability and maintenance. An automatic digital counter resets to zero on the completion of a test. The selectable rammer has a drop height of 300-450mm, a selectable rammer weight of 2.5 or 4-5kg. A preset number of blows per layer can be set by thumb wheel control. A compaction rate of approximately 26 blows per minute. Accepts BS Standard Compaction and CBR moulds; also meets the requirements of BS 1377-4, BS 1924-2, EN 13286-2, EN 13286-47, ASTM D558, ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134, AASHTO T180.

Specification Standards

BS 1377-4, BS 1924-2, EN 13286-2, EN 13286-47, ASTM D558,

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ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134,

AASHTO T180

Rammer BS/EN Circular faced, 50 mm dia,

selectable to 2.5 kg or 4.5 kg

weight

Circular faced, 2 in (50.8 mm) Rammer ASTM

dia, selectable to 5.5 lb (2.5 kg)

or 10 lb (4.5 kg) weight

Drop BS/EN Adjustable to 300 mm or 450 mm Drop ASTM Adjustable to 12 in (305 mm)

or 18 in (457 mm)

Weight (kg) 165







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

Code: 24-9150/01

Product Group: CBR Load Frames

- Single speed machine (BS/EN and ASTM)
- Rapid platen adjustment
- Complete with stabilising bar
- Compact, bench-mounting design
- Options for mechanical or electronic measurement

Designed for performing laboratory CBR tests to BS 1377, EN13286-47 and ASTM D1883, this bench mounting machine comprises a twin column frame incorporating a motorised drive system. Rapid adjustment of the platen is provided, which enables daylight to be taken up quickly and also close control of application of a seating load.

Standards

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

Specification

Dimensions (l x w x h) 550 x 400 x 1220 mm

Max vertical clearance800 mmHorizontal clearance255 mmPlaten diameter133 mmPlaten travel105 mmWeight kg80

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Penetration Piston

Code: 24-9182

Product Group: Penetration Measurement

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

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Penetration/Swell Dial Gauge ASTM.

Code: 24-9184

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

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

Standards BS 1377, BS 1924







Penetration Dial Gauge BS

Code: 24-9186

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

Complete with rack extensions and chisel edge anvil.25 mm travel x 0.01 mm divisions.

Standards BS 1377, BS 1924







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

Code: 24-9188

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

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

Standards BS 1377, BS 1924







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

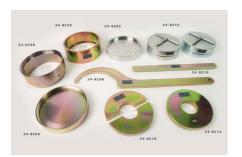
Construction All steel, plated

Weight kg 7.3

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BS Extension Collar

Code: 24-9200

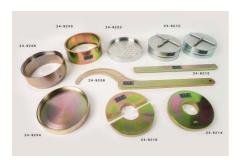
Product Group: BS EN CBR mould accessories, Accessories for BS compaction and CBR

Standards

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







BS Perforated Base Plate.

Code: 24-9202

Product Group: BS EN CBR mould accessories

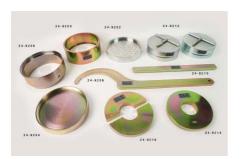
To fit mould body

Standards

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

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BS Solid Base or Top Plate

Code: 24-9204

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

Standards

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

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

Code: 24-9206

Product Group: BS EN CBR mould accessories

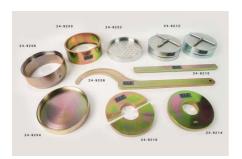
To fit BS/EN mould body.

Standards

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

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C-Spanner for BS Cbr Mould. Two Required.

Code: 24-9208

Product Group: BS EN CBR mould accessories

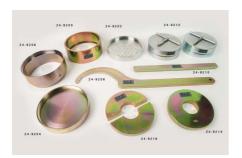
To fit BS/EN CBR moulds and collars. Two required.

Standards

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

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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.

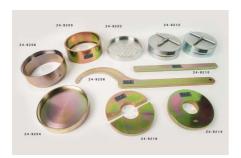
Standards

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

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Static Compaction Plug.

Code: 24-9212

Product Group: BS EN CBR mould accessories

Steel, 150 mm dia \times 51 mm thick. Complete with removable handle.

Standards

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

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2Kg Annular Surcharge Weight

Code: 24-9214

Product Group: BS EN CBR mould accessories

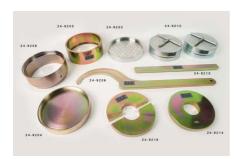
Standards

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

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2Kg Split Surcharge Weight.

Code: 24-9216

Product Group: BS EN CBR mould accessories

Standards

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





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.

Standards

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







Spacer Disc 5-7/8" Diameter

Code: 24-9237

Product Group: Spacer Discs

5-7/8" diam. x 2" h. (147.6 x 50.8 mm).

Specification

Construction Finish Weights Steel; machined on all sides.

Plated.

Net 15.4 lbs. (7 kg).

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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).

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Swell Stand

Code: 24-9262

Product Group: Expansion (swell) Test Equipment,

Tripod Attachment

For mounting Swell Dial Gauge in position on CBR

mould collar.

Standards

ASTM D1883, AASHTO T193

Further Information

Requires dial indicator; not included, order separately

Specification

Construction Machined, one-piece cast

aluminum.

Contact Head Integral part of ssembly; holds

dial indicator.

Construction 2" I. (50.8 mm) included.

Weight Net 1 lb. (0.4 kg).

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Dial Gauge 25mm Travel X 0.01mm Divisions.

Code: 24-9275

Product Group: Expansion (swell) Test Equipment

25 mm travel x 0.01 mm.

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Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

Code: 25-0402

Product Group: Consolidation Apparatus, Table Top Consolidation Apparatus

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

The ELE Oedometer is rigidly constructed to ensure minimum frame distortion. The frame is designed to load the specimen through a yoke assembly and one of three alternative beam ratios. The beam is fitted with a counterbalance weight and beam support jack. The cell platform will accept the complete range of ELE consolidation cells and is fitted with a central spigot to ensure accurate centring of the cell under the loading yoke. Dimensions without hanger 711 x 203 x 508 mm (l x w x h). Weight 24 kg.

Standards

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

Further Information

Supplied without dial gauge and weights.

Specification

Load Capacity 48 tons/sq. ft. (5,14 8 kPa) on

2.5" (63 mm) diam. samples.

Loading Beam Cast aluminum;

counterbalanced; 9:1,10:1 and

11:1 ratios.

Frame Cast aluminum; integral beam

support jack; plated steel and

platform.

Dimensions 203 x 711 x 508 mm, (8" w. x

28" d. x 20" h).

excluding weight hanger.

Weight 24 KG

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Set of Weights 100Kg Total Weight.

Code: 25-0408

Product Group: Consolidation Apparatus 9 x 10 kg, 1 x 5 kg, 2 x 2 kg, 1 x 1 kg.

Standards

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

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Floor Mounting Stand.

Code: 25-0429

Product Group: Consolidation Apparatus, Table Top

Consolidation Apparatus

A versatile modular steel stand. Holes in the shelf are

provided for

securing up to three EL25-0402 Consolidation

Frames. Dimensions 610 x 915 x 865 mm (l x w x h).

Standards

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

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Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: 25-0440

Product Group: Measurement of Horizontal and Vertical Movement, Vertical settlement measurement, Direct/Residual Shear Apparatus

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Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503

Product Group: Table Top Consolidation Apparatus, BS EN consolidation cells and accessories, Pneumatic Consolidation Apparatus, Fixed Ring Consolidation

Specification

Stress for 1 kg

Application BS/EN 10:1 Specimen Dia 75 mm Specimen area 4418 mm² Beam ratio 9:1 Load kg 1 Stress 20 kPa Typical max stress 3.2 MPa Stress for 1 kg m² 20 kPa BS Application Specimen Diameter 75 mm Specimen Area 4418 mm² Beam Ratio 10:01 Load 1 kg Stress 20 kPa Typical Maximum Stress 3.2 MPa

20 kPa

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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

End plates Anodised aluminium

Weight kg 2.6

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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





Falling Head Permeability Cell.

Code: 25-0605

Product Group: Falling Head Apparatus

Specification

Cell Plated seamless tube 100 mm

diameter

x 130 mm height

Base Porous plate with three tie rods
Top plate Machined to accept smaller

tubes

Weight kg 3.4







Code: 25-1833/01

Product Group: De-Aired Water

Complies to BS 1377-1

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

Dimensions I x w x h (mm)

380 x 356 x 470

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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.).

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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).

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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

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

Code: 25-4166

Product Group: Specimen Base Adaptors, Base

Pedestals

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





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

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

Code: 25-4520

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

Standards

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

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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

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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

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Membrane Sealing Ring 1.5"

Code: 25-5081

Product Group: Sealing Rings

Membrane Sealing Ring 38Mm Diameter (Pack Of

10).

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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.







Two Part Split Mould 38mm

Code: 25-5130

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

Mould

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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).

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Silicon Grease Lubricant.

Code: 25-8090

Product Group: Aggressive Materials

Silicon Grease Lubricant (Tube).

Standards

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

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

Code: 26-1746

Product Group: Air/Water Pressure Systems - up to 1700 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.

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

Code: 26-1760

Product Group: Air/Water Pressure Systems - up to 1700 kPa

Comprising two constant pressure reducing valves with inlet water trap and pressure indicator. The unit allows a maximum output pressure of 1000 kPa. Maximum input pressure should not exceed 1400 kPa. The panel has an inlet connector to accept Nylon tubing from the air compressor and two 6 mm outlets for connecting Bladdertype Air/Water Pressure Assemblies. An outlet connector is fitted for the connection of an additional panel using Nylon tubing to increase the total capacity of the system. This outlet is blanked off when not required.

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Nylon Tubing 30 Metre Length.

Code: 26-1769

Product Group: Air/Water Pressure Systems - up to

1700 kPa

30 metre length. For pressures up to 1700 kPa. Used for connecting Air Compressors to Pneumatic Pressure Reducing Panels, or for connecting two Pressure Reducing Panels together.

Further Information

Nylon tubing 30 metres with pressure fittings.







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.

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Nylon Tubing 6 mm OD \times 4 mm ID 3500 Kpa

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 Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

Code: 26-2114/01

Product Group: Direct/Residual Shear Apparatus, Direct/Residual Shear Apparatus

- Microprocessor control
- Large on-board LCD screen display
- Direct entry via touch sensitive keyboard
- Rapid approach and return to start datum
- Fully variable speed, 0.00001 to 9.99999 mm/minute
- Accepts specimens up to 100 mm square

The ELE Direct Shear Apparatus accepts specimens 60 mm, 100 mm square or 2.5 inches in diameter. The use of a microprocessor controlled drive system and keyboard entry gives the apparatus a wide range of features that include pause and speed reset during test, RS 232C interface, operator programming of speed and control functions, self test diagnostics and many other features. A return to start datum provides a positive means of reversing the shearbox when either preparing for a new test or continuing with residual testing procedures.

Safety forward/reverse travel limit switches are fitted as standard and monitored through the electronics system control.

The electronics are housed in a modern moulded shroud, which includes a large LCD display and keyboard entry. The apparatus is enclosed in a robustly constructed case, has been designed for floor mounting and is supplied complete with carriage, loading hanger and 10:1 lever loading device.

Standards

ASTM D3080, AASHTO T236, BS 1377, EN 1997-2

Further Information

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

Specification

Sample Size Accepts either 2.42 ", 2.5"

diam.; 60 mm square samples using accessory shear box assemblies, not included.

Variable in either English or

Speed Range Variable in

Metric units

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between 0.000001"

(0.00001 mm) to 0.399999"

(9.99999

mm) per minute.

Shear Force 1,100 lbf. (5.0 kN) maximum.
Vertical Load 2,200 lbf. (10.0 kN) using 10:1

lever ratio.

Dimensions 44.7" l. x 12 .6" w. x 49.6" h.

(1,135 x 320 x 1,260 mm).

Weight 130 kg

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Set of Weights 50 kg Slotted.

Code: 26-2132

Product Group: Application of Normal Stress

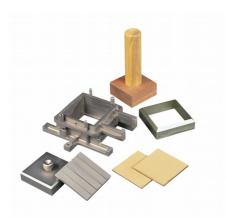
Normal stress is applied to the specimen through the lever loading device and the appropriate slotted weights

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Shear Box Assembly 100mm Sq.

Code: 26-2197

Product Group: Shear Box Assemblies, Shear Box Assemblies

- •Manufactured from corrosion resistant materials
- •Sample size 100 x 100mm x 25mm high meeting BS 1377
- •Incorporates PTFE faced box separation screws to reduce friction
- •Supplied complete with upper and lower porous plates and loading pad
- •Suitable for quick undrained or drained/residual tests.

Standards

ASTM D3080, AASHTO T236

Further Information

All shearbox assemblies are designed to fit the carriage of 26-2114 series Digital Direct/Residual Shear Apparatus. They are supplied complete with three porous plates, one retaining plate and a loading pad. The three sizes supplied comply with the relevant requirements of BS 1377 and ASTM D3080. All assemblies can be used for quick shear tests or drained/residual shear tests.

Optional accessories are available including specimen cutters and extrusion tools.

Specification

Specimen area 100 x 100 mm Specimen thickness 25 mm

Weight kg 5.2 Relevant standard BS 1377

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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.

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GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

Code: 27-1500/01

Product Group: Data Logging with the GDU, Geotechnical Data Acquisition Unit (GDU), Automatic Data Acquisition - Triaxial, Automatic Data Acquisition - Consolidation, Automatic Data Acquisition - Direct Shear, Automatic Data Acquisition - CBR

The GDU is a stand-alone, multi-tasking. multi-channel data logger, that is reliable and powerful, enabling it to co-ordinate test data from the range of ELE transducers required for various test methods.

The ELE Geotechnical Software package (DS7.1 and following), in conjunction with the GDU and a range of transducers, are the two central components required to create a modern turnkey soil testing system. Being fully modular it can be adapted to a wide range of soil testing laboratory configurations.

- For performing CBR, Consolidation, Direct/Residual Shear and Total & Effective Stress Triaxial tests
- 8 Channels expandable to 32 for performing multiple, concurrent tests for cost savings
- Independent signal conditioning on each channel to maintain data accuracy
- Field-upgradeable software, meaning no downtime for future software and functionality upgrades
- PC link via RS232 (DS7.1 only), or RS232 and Ethernet P2P/LAN (with DS7.2 and following)
- Extended warranty

Specification

Dimensions

Case Aluminum, free standing;

houses power supply, analog to digital conversion module and an 8-channel analog input

module with transducer

energization.

Sockets Standard 5-pin DIN type.

 \pm 5 volts to \pm 10 mV full scale. Input Range 10vDC.

Transducer Supply

12.8" w. x 14.3" d. x 6.1" h. (325 x 363 x 155 mm).

Net 14.08 lbs. (6.4 kg). Weight

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S-Type Load Cell 25 kN.for Triaxial Tests. 27-1293 required separately.

Code: 27-1555

Product Group: Load Measurement, Load Measurement

- •Repeatability better than ± 0.02% of rated output
- •Non-Linearity better than ± 0.03% of rated output
- •Supplied complete with 5-pin DIN type connector for connection to GDU

Ideally suited for a wide range of applications, ELE S-type load cells provide high accuracy and minimum deformation. Various models are available, with the necessary adaptors, for use with ELE Triaxial Load Frames, Multiplex 50/Marshall Test 50/CBR Test 50 and Direct Shear machine.







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

Code: 27-1617

Product Group: Axial Displacement, Axial Displacement, Displacement Transducers

0 to 50 mm range. For use with Triaxial Cells. •Ideally suited for use with GDU for accurate displacement measurements

- •Models available for use in consolidation, shear, CBR and triaxial test applications
- •Supplied complete with mounting hardware for specified products

Displacement Transducers are used in consolidation, shear, CBR and triaxial test applications for accurate displacement measurements. They are supplied complete with a 5-pin DIN type connector for direct connection to the GDU.

Specification

Construction

Excitation
Connector
Mounting bracket
Weight kg

Fully encapsulated electronics, sealed in a stainless steel case 10V DC

5-pin DIN type Included as standard

0.45

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Pressure Transducer Assembly 1700Kpa Fitted with 5 Pin DIN Plug.

Code: 27-1633

Product Group: Pressure Measurement, Tri-Flex 2 One-Cell Permeability Test System, Pressure Transducer

Pressure Transducers are used to measure the cell, pore and back pressures during triaxial testing. Assemblies are supplied complete with a de-airing block, valve, 5-pin DIN plug connector and calibration certificate

Specification

Construction Excitation Output Thread

Stainless Steel 10 V DC 143 mV full range 1/4" BSP

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Volume Change Transducer Assembly 80ml Capacity Maximum Working Pressure 1700KPa

Code: 27-1641

Product Group: Volume Change Measurement, Tri-Flex 2 One-Cell Permeability Test System, Volume Change Measurement, Volume Change Transducer

- •Reversing valves to increase capacity
- •Steel case for wall mounting and access to piping
- •Supplied complete with calibration certificate

The Volume Change Transducer provides continuous measurements of volume change during the triaxial test. The assembly includes a valve to reverse the flow through the unit, providing increased capacity.

Specification

Case

Maximum Pressure 250 psi (1,700 kPa).

Excitation 10V DC.

Output 1.25 Volts full range.
Capacity 80 cc x 0.1 cc sensitivity.

Steel; hinged for access to

piping.

Connector 5-Pin DIN type.

Overall Dimensions LXWXH 0.44 x 0.3 x 0.27 m

Weight Net 11 lbs. (5 kg).

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DS7.3 Undrained Triaxial Shear Strength for Windows 10

Code: 27-2753

Product Group: Automatic Data Acquisition - Triaxial, DS7.3 for Windows 10, DS7.3

- Options for single or multi-stage testing on a sample
- Mohr circles produced for graphical analysis

Options are available for a single test on one sample, standard three-sample procedure with linking of the results, or for a multi-stage test on one sample. Load and strain are monitored through transducers. Various printouts and graphical plots are available including basic sample data, moisture content and density. The program tabulates shearing data and plots stress against strain. Mohr circles are produced for graphical analyses.





Buoyancy Balance 6Kg X 0.1G. Supplied with Support Frame Water Tank & Suspension Hook.

Code: 42-1000/01

Product Group: Particle Density (specific gravity) and Water Absorption for Coarse Aggregates

The buoyancy balance system developed by ELE consists of a rigid support frame, incorporating a water tank mounted on a platform. A mechanical lifting device is used to raise the water tank through the frame height immersing the specimen suspended below the balance. The balance supplied may also be used as a standard weighing device, thus providing a versatile and comprehensive weighing system in the laboratory.6000 g x 0.1 g supplied with frame, water tank and suspension hook.

Standards

EN 1097-6, EN 12697-6, BS 812, ASTM C127, AASHTO T85

Further Information

NOT AVAILABLE FOR SALE IN THE USA

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

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Aggregate Impact Value Apparatus

Code: 42-4005

Product Group: Aggregate Impact Value (AIV), Aggregate Impact Value (AIV)

Heavy duty construction, heavily plated assembly ensures corrosion resistance.





Set of 12 Abrasive Charges EN)

Code: 42-5305/10

Product Group: Los Angeles Abrasion Machine

EN Set of 12.

Standards

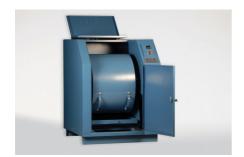
EN 1097-2, ASTM C131, ASTM C535

Further Information

NOT AVAILABLE FOR SALE IN THE USA







Los Angeles Abrasion Machine with CE Safety Cabinet W/ Microswitches. 220-240V 50Hz 1Ph.

Code: 42-5310/01

Product Group: Los Angeles Abrasion Machine

The machine consists of a closed hollow cylindrical steel drum rotating around its horizontal axis on ball bearing units mounted on a sturdy base framework. Also the full enclosure ensures noise is minimized.

The drum is driven at a speed of between 30 - 33 rpm via an enclosed belt drive arrangement from an electric motor/gearbox unit situated on the base frame. Inside the drum a full length steel shelf is attached, accessed by a dust-proof opening.

The cylinder incorporates a removable internal shelf, one shelf position is provided to meet the requirements of both the ASTM and EN test standards.

Controls are located easily on the right-hand side of the machine at convenient operator height.

Start and stop push buttons and a subtracting revolution counter allows the user to preset the number of revolutions before an automatic stop.

Standards

EN 1097-2, ASTM C131, ASTM C535, NF P18-573

Further Information

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Turbidity Meter. Range 0-1000 FTU. Supplied with Carrying Case, Batteries and Calibration Solutions

Code: 430-260

Product Group: Paqualab Test Meters

- Easy to use.
- High range.
- · Calibration data storage facility.
- Results displayed as FTU.
- Water resistant.

Suitable for testing either natural and treated water, or waste water and effluents.

This portable microprocessor-based turbidity meter provides lab-grade accuracy even in the field. With 4 keys and weighing only 510 grams, the meter measures turbidity from 0 to 1000 FTU (NTU). For best field accuracy, it measures from 0 to 50 FTU in steps of 1/100th of FTU.

Unlike standard lamps, the infrared LED has a long life. More significantly, it maintains constant emission for the entire life of the instrument. The wavelength peaks at 890nm, which provides the required intensity of diffused light even in samples with low turbidity values, and also reduces the interference from any colours.

The meter is very easy to use. All operations can be carried out with only four keys and troubleshooting functions can be performed with error code on LCD. Moreover, the meter's versatility and durability ensure low maintenance.

The meter can store and retrieve the last calibration data. At the touch of a key, the last calibration data together with time and date are displayed allowing the user to maintain an accurate calibration schedule auto shutoff turns the meter off after 5 minutes of non-use to save batteries.

The turbidity meter comes supplied with 2 cuvettes, tissues, cleaning solution and calibration solutions for 0 and 10 FTU.

Specification

Range 0.00 to 50.00 FTU; 50 - 1000

FTU.

Resolution 0.01 FTU (0.00 to 50.00 FTU);

1 FTU (50-1000 FTU).

Accuracy \pm 0.5 FTU or \pm 5% of reading

(whichever is greater).

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Battery life 60 hours or 900

measurements. Automatic shut-off after 5 minutes of non-use. (4 x 1.5 VAA

batteries).

510g (including case and calibration solutions). Weight

220 x 82 x 66 mm. Dimensions

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Paqualab photometer

Code: 430-550

Product Group: Paqualab Test Meters

Lightweight and portable for laboratory or field use.

Accurate results using tablet reagents which have a long shelf-life.

Over 40 different water tests available for use with the photometer.

Ideal for use with ELE's Paqualab systems.

This Paqualab photometer is simple to use, robust in construction and designed for on-site analysis. The photometer provides dependable results to enable decisions on water quality to be made instantly and with confidence.

Simple operation with automatic set-up for each test. Designed for reagent systems in tablet form.

Rapid access to frequently used tests from a choice of over 100 parameters/methods.

With dilution tube, 8 glass curvettes, operating instructions and hard carrying case.

Further Information

Test reagent tablets are not supplied. Available separately under Photometer Reagents.

Specification

Instrument type Dual light source photometer

offering direct-reading of pre-programmed test

calibrations, absorbance and

transmittance

Wavelengths 450 nm, 500 nm, 550 nm, 570

nm, 600 nm, 650 nm

Accuracy ± 1.0% T

Display 320 x 240 pixel LCD with

backlight and contrast

adjustment

User interface On-screen prompts available in

English, French, Spanish, German, Italian, Turkish and

Mandarin (Chinese)

Dimensions (w x | x h) 150 x 250 x 70 mm

Weight 975g IP rating IP67

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Power supply 3x 1.5V AA batteries (typically

40 hours)

Test cuvettes

Automatic centring for cylindrical cuvettes from 13 to 20 mm OD

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Filter Discs Pack of 100

Code: 45-3803

Product Group: Asphalt Centrifuge Extractors

248mm outer diameter with 44mm diameter hole.

Standards

EN 12697-1, ASTM D2172, AASHTO T164

Further Information

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Rotatest 1500

Code: 45-3810/01

Product Group: Asphalt Centrifuge Extractors

Centrifuge extractor used to determine the quantitative amount of bitumen in bituminous paving mixtures. Variable speed control from 0 to 3600 rpm through the front panel mounted control knob and brake control included for rapid deceleration.

Precision machined aluminium removable cover with integral cup for adding solvent, with sealed cast aluminium housing. Centrifuge extractor used to determine the quantitative amount of bitumen in bituminous paving mixtures. Variable speed control from 0 to 3600 rpm through the front panel mounted control knob and brake control included for rapid deceleration.

Precision machined aluminium removable cover with integral cup for adding solvent, with sealed cast aluminium housing.

Standards

EN 12697-1, ASTM D2172, AASHTO T164

Further Information

NOT AVAILABLE FOR SALE IN THE USA

1500 g capacity. Supplied with 100 Filter Discs. For 220 V AC, 50 - 60 Hz, 1ph.







Compaction Mould

Code: 45-6310

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

Comprising of mould body, baseplate and combined

filling/extraction collar.

Standards

EN 12697-30, ASTM D6926, AASHTO T245

Specification

Construction Machined seamless steel

forming mold;

base and collar.

Finish Plated for rust resistance.

Dimensions 4" (101.6 mm) i.d. x 3" (76.2

mm) internal

h. with base.

Weight Net 6 lbs. (2.7 kg).

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Compaction Pedestal BS 598

Code: 45-6410

Product Group: Manual Compaction

Comprising a 300 mm sq \times 25 mm thick steel plate complete with 4 tie rods and securing nuts. A mould clamp and hammer guide are fitted to the plate. The unit is supplied complete with a laminated hardwood block.

Standards

EN 12697-30

Further Information

NOT AVAILABLE FOR SALE IN THE USA

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Compaction Hammer

Code: 45-6460

Product Group: Manual Compaction, Stability

Compaction Hammer

Satisfies BS 598. The hammer has a 4535 g sliding

weight with a free fall of 457 mm.

Standards

EN 12697-30, ASTM D6926, AASHTO T245

Specification

Tamping Face 3-7/8" (98 mm) diam. Hammer 10 lb. (4.54 kg). Drop 18" (457 mm).

Construction Machined steel; cast aluminum

handle.

Weight Net 16 lbs. (7.2 kg).

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Paper Discs

Code: 45-6462

Product Group: Accessories for manual and automatic compaction, Filter Paper Discs

Non-absorbent, 99 mm diameter, pack of 100.

Standards

EN 12697-30

Specification

Weight

Net 2.9 oz. (82 g).







Steel Block

Code: 45-6463

Product Group: Accessories for manual and

automatic compaction

100 mm diameter x 50 mm height. For heating the

compaction hammer foot.

Standards

EN 12697-30

Further Information

NOT AVAILABLE FOR SALE IN THE USA

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Marshall Test 50

Code: 45-6810/01

Product Group: Marshall Load Frames

- Geared screwjack and motor drive
- Precise speed
- Internal limit switch for both directions of travel
- Easy to use controls

This bench-mounting mechanical load frame is ruggedly constructed to encompass the strain and loads involved with the test. The unit is compact in size and can be quickly installed on a bench top, requiring only a power point. It has been designed for simple operation, is easy to clean and requires minimum maintenance.

Standards

EN 12697-34

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Load frame, 50 kN capacity. Supplied without Breaking Head. For 220 - 240 V AC, 50 Hz, 1 ph.

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Breaking Head (Marshall)

Code: 45-6850

Product Group: Accessories for the Marshall test

Complete with gauge disc. Supplied without flow

meter.

Standards EN 12697-34







Flow Meter BS/EN

Code: 45-6880

Product Group: Accessories for the Marshall test

Dial gauge graduated 0.01 mm with 25 mm travel. Supplied with stem brake unit and flow meter pedestal.

Standards

EN 12697-34

Further Information

NOT AVAILABLE FOR SALE IN THE USA

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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

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Ductility Testing Machine

Code: 46-4120

Product Group: Ductility Testing

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

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

Elongation measurement through the motor encoder.

3 simultaneous load measurements with 18-bit resolution.

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

Ethernet connection for computer interface.

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

Failure conditions can be downloaded to the unit.

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

Specification

Dimensions 300 x 1850 x 550 mm

Weight 80kg Watts 1000 W

Power supply 220V 50-60Hz 1Ph

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Electrical Hotplate with Integral Magnetic Stirrer

Code: 46-4825/01

Product Group: Ring and Ball Apparatus

Circular-top analogue magnetic hotplate stirrer.

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

Anti-corrosive ceramic steel plate with excellent thermal conductivity.

Long life brushless motor.

High magnetic adhesion.

CE marked.

Standards

EN 1427, BS 2000-58

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Specification

Temperature range Ambient-340 Deg.C

Stirring speed 0-1500 rpm

Max. Viscocity 40 cP/ mPas

Heating rate (1 litre water) 6K/min

Motor type Brushless

Stirring capacity 20L

Plate diameter 5.3"

Plate material Ceramic coated steel
Dimensions 11"L x 61/4"W x 3"H

Weight 6lbs

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Saybolt viscometer two place unit with furol and universal orifices

Code: 46-7003/01

Product Group: Saybolt-Furol Viscosity

Used to determine the viscosity of petroleum products at specified temperatures between 70 to 210 °F. Stainless steel made, the Saybolt viscometer is supplied complete with two filter funnels and two withdrawal tubes.

Please note thermometers must be ordered seperately.

Specification

Power supply Dimensions Weight 230 V 1ph 50-60 Hz 500 W 270 x 270 x 550 mm 12 kg

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Benkelman Beam

Code: 47-1460

Product Group: Benkelman Beam, Benkelman Beam

Standards

AASHTO T256

Further Information

Complete with Dial Gauge 25 mm tavel x 0.02 mm divisions.

Specification

Dimensions: Main Body (length), Arm (telescopic) extended, Operating length

fully extended

Beam fulcrum ratio 2:1
Weight 15.9 kg

Main Body 55 " (1,397 mm) long, black

finish aluminum.

Probe Beam Aluminum, 8 ft. (2.4 m) long,

telescopes into case for

storage.

Probe Fulcrum Ball pivot bearing, gives lever

ratio of 2:1.

Vibrator System Operating switch mounted on

top of instrument section (requires 4 "D" size batteries).

1397 mm, 2400 mm, 3700 mm

Dial Indicators Compensated for direct

reading (not included).

Leveling Wheel Adjusts beams to proper

elevation.

Open Length 12 ft. (3.7 m) I. Weight Net 29 lbs. (13.2 kg).

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Splayed-base daily raingauge

Code: 502-013

Product Group: Daily Raingauges

British Meteorological Office MK 2 model, constructed from copper with splayed base to provide extra stability, and bevelled brass rim of 127 mm diameter. The inner copper can has a pouring lip and crass handle. Supplied with Meteorological Office pattern taper-base glass measure, graduated in mm.

Further Information

Dimensions 490 mm high x 216 mm base diameter.





Digital Electronic Temperature/Humidity Meter

Code: 506-124

Product Group: Humidity measurement

- Designed for wall-mounting.
- Shows temperature and humidity.
- Max/min internal memory.

This simple to use instrument shows both temperature and relative humidity on a clear LCD display. The internal memory stores the maximum and minimum temperature since the last reset. Ideal for installing in a green house, propagator or vegetable store.





Dissolved Oxygen / Temp Meter. with Electrode and Carrying Case

Code: 521-050

Product Group: Paqualab Test Meters

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Laboratory Conductivity Meter

Code: 525-180/01

Product Group: General laboratory instrumentation

Automatic range selection.

Calibration on standard solutions or direct cell constant entry.

Automatic temperature compensation.

This laboratory conductivity meter is a versatile unit which utilises the best of modern technology to simplify operation without sacrificing accuracy or reliability. With push button operation and a customised liquid crystal display, determination of conductivity and TDS can readily be achieved with the minimum of operator training.

The meter includes a 32 reading memory facility. Remote monitoring and data collection is facilitated by the provision of both analogue and digital outputs and in the event of power removal, all user defined parameters are retained.

Further Information

Supplied complete with probe holder and conductivity level (K=1) and full operating instructions.

Specification

Conductivity

0 to 19.99 μ S, 0 to 199.9 μ S, 0 to 1999 μ S, 0 to 19.99 μ S, 0 to 199.9 μ S, 0 to 199.9 μ S

Resolution 0.01 μ S, 0.1 μ S, 1 μ S, 0.01mS,

0.1mS, 1mS*

Accuracy ±0.5% ±2 digits

TDS ranges 0 to 19.99mg/l, 0 to 199.9mg/l,

0 to 1999mg/l, 0 to 19.99g/l, 0 to 199.9g/l, 0 to 199.9g/l

Resolution 0.01mg/l, 0.1mg/l, 1mg/l,

0.01g/l, 0.1g/l, 1g/l* *only with

cell constant >5

Accuracy ±0.5% ±2 digits

Temperature ranges 10 to +105°C / 14 to 221°F

Resolution $0.1^{\circ}\text{C} / 1^{\circ}\text{F}$ Accuracy $\pm 0.5^{\circ}\text{C} / \pm 1^{\circ}\text{F}$

ATC range 0 to 100°C / 32 to 212°F Manual temp. comp. 0 to 100°C / 32 to 212°F

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Cell constant 0.010 to 19.999 Temperature coeff. 0.00% to 4.00%

Reference temp. 18, 20 25°C, default 25°C EC ratio (cond. to TDS factor) 0.50 to 0.80, default 0.6 Auto standard recognition

10μS, 84μS, 1413μS, 12.88mS Analogue 1mV per digit / Outputs

RS232

Display Custom back lit LCD Power supply 9V a.c. Power 250(l) x 210(w) x 55(d) mm Size

Weight 850g

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Laboratory Ph Meter with Ph Electrode Swing Arm Temp Probe Manual and Buffer Capsules.

Code: 525-210/01

Product Group: General laboratory instrumentation

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Clamped Boss Load Ring - 3.0 kN

Code: 78-0160

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

Standards

BS 1377, ASTM D3080

Specification

Capacity: kN, kgf, lbf 3.0, 300, 650
Typical Design sensitivity: 2.0, 0.20, 0.43
N/div, kgf/div, lbf/div

Overall height mm 248
Approx weight kg 3.3
Capacity - lbf 1,000

Capacity - kN 3
Capacity - kgf 300
Typical Design Sensitivity - 0.43

lbf/div

Typical Design Sensitivity - 2

kN/div

Typical Design Sensitivity - 0.2

Kgf/div

Overall Height 9.76" (248 mm) Approx Weight 7.3 lbs.(3.3 kg)

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Clamped Boss Load Ring - 28.0 kN

Code: 78-0760

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

Standards

BS 1377, BS 1924

Specification

Capacity: kN, kgf, lbf 28.0, 2800, 6000 Typical Design sensitivity: 25.5, 2.54, 5.45

N/div, kgf/div, lbf/div

Overall height mm 248
Approx weight kg 5.4
Capacity 28 kN

Value of CBR Average range of CBR

Capacity - Ibf 6,000
Capacity - kN 28
Capacity - kgf 2,800
Typical Design Sensitivity - 5.45

lbf/div

Typical Design Sensitivity - 25.5

kN/div

Typical Design Sensitivity - 2.54

Kgf/div

Overall Height 9.76" (248 mm) Approx Weight 11 .9 lbs.(5.4 kg)

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50kN Clamped Boss Load Ring

Code: 78-0860

Product Group: Clamped Boss Load Rings, Digital Tritest 50 Load Frame, Load Measurement, Proving Rings, Accessories for the Marshall test, Accessories for the Marshall Test, CBR-Test 50 Machine, Load Measurement, CBR Loading Press, Hand-Operated, Force measurement

Calibrated in compression.

Standards EN 12697-34

Specification

Capacity - kN 50 Capacity - kgf 5000 Capacity - Ibf 11,200 Typical Design Sensitivity -45.5

kN/div

Typical Design Sensitivity 4.54

- Kgf/div

Typical Design Sensitivity -10.18

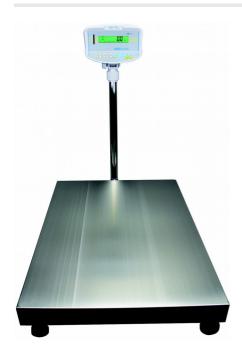
Ibf/div

9.76" (248 mm) Overall Height

Approx Weight 6.35 kg







Electronic Balance - 75 Kg x 5.0g

Code: 78-5655/01

Product Group: Electronic Balances

Further Information

Not available for sale in the USA

Specification

Capacity resolution 75 kg x 5g Pan size 400 x 500 mm

Mains and battery Yes

Dimensions (w x d x h) 400 x 590 x 972 mm

Weight 28 kg

Weighing units g, kg, lb, lb:oz, oz, N

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Sieve Brush Brass and Nylon

Code: 79-7200

Product Group: Sieve Brushes

Double-ended, brass and nylon bristle

Standards ASTM E11

Further Information

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Hydrometer

Code: 82-3510

Product Group: Soundness of Aggregates, Hydrometers, Aggregate Testing

Type L50, ASTM C 88 graduated 1150 to 1200 relative density (used with magnesium sulphate method).

Standards

BS 812, EN 1367-2, ASTM C88, AASHTO T104

Further Information

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Water Bath - 12 litres

Code: 82-8500/01

Product Group: Water Baths

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Specification

Capacity 12 litres

Working area 210 x 300 mm

Tray Yes

Max Water Depth 130 mm Controller Digital Temperature range and 0 to 99.9 stability °C ± 0.1

Electrical supply 220 - 240 V AC,

50 - 60 Hz, 1 ph

Rated power kW 1.5 Weight 8.1 kg







Air Compressor

Code: 83-1730/01

Product Group: Air Compressors, Air/Water Pressure

Systems - up to 1700 kPa

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Specification

Dimensions (l x w x h) 483 x 457 x 864 mm

Free air delivery 2.0 cfm
Receiver capacity 50 litres
Maximum pressure 1000 kPa
Continuous working pressure 700 kPa

Electrical supply 220 – 240 V AC

1 ph 50 Hz

Water Trap No Weight 57 kg

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Dial Gauge

Code: 83-5456

Product Group: Dial Gauges, Measurement of Horizontal and Vertical Movement

Specification

Diameter mm 57 Travel mm 10 Grad. Mm 0.01 Scale RHAnvil Ball Back type Α

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Digital Stopwatch

Code: 88-4340

Product Group: Digital Stopwatch, Bitumen

Penetration Test

Specification

Operation Start-stop and lap split-reset

push-buttons.

Time Range Display up to 9 hours, 59

Display up to 9 hours, 59 minutes, 59.99 seconds in 0.01

second increments.

Weight 4 oz. (227 g).