



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

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

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Penetration Piston

27-1705

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

24-9188

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

27-1559

50kN S-type Load Cell

27-1500/01

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

27-1798

DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7, 32/64 bit

24-9228

ASTM Cbr Mould Complete with Collar & Perforated Base

24-9236

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Filter Screen 150mm Dia with 0.15mm Mesh.

24-9243

4.5Kg Annular Surcharge Weight ASTM.

24-9244

5Lb (2.27Kg) Split Surcharge Weight.

24-9245

5 Lb. Annular Surcharge Weight ASTM.

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

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Swell Plate

24-9184

Penetration/Swell Dial Gauge ASTM.

24-9262

Swell Tripod

34-6575/01

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



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

Code: [24-9150/06](#)

Product Group: [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.

Specification

Dimensions (l x w x h)	550 x 400 x 1220 mm
Max vertical clearance	800 mm
Horizontal clearance	255 mm
Platen diameter	133 mm
Platen travel	105 mm
Weight kg	80



Penetration Piston

Code: [24-9182](#)

Product Group: [Penetration and measurement](#)

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



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

Code: [27-1705](#)

Product Group: [Penetration Measurement, Penetration and measurement](#)

- 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	Fully encapsulated electronics, sealed in a stainless steel case
Excitation	14 V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45



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 and measurement](#)

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



50kN S-type Load Cell

Code: [27-1559](#)

Product Group: [Force measurement, Load Measurement, Electronic Instrumentation](#)

Maximum working capacity of 50 kN and excitation 10 V ac/dc with an output of 2.7 mV/V nominal. Aluminium alloy and stainless steel construction with IP65 environmental protection.

Standards

EN 12697-34

Further Information

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



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

Code: 27-1500/01

Product Group: Automatic data acquisition, Automatic Data Acquisition, Automatic data acquisition, Automatic Data Acquisition, Data Logging with the GDU, Geotechnical Data Acquisition Unit (GDU)

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), 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
- Extended warranty.

Specification

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.
Input Range	± 5 volts to ± 10 mV full scale.
Transducer Supply	10vDC.
Dimensions	12.8" w. x 14.3" d. x 6.1" h. (325 x 363 x 155 mm).
Weight	Net 14.08 lbs. (6.4 kg).



DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7, 32/64 bit

Code: [27-1798](#)

Product Group: [DS7, Automatic data acquisition,](#)
[DS7.2 CBR Penetration Software](#)

This program provides the classical data for the CBR test. Load and penetration are monitored simultaneously. The program tabulates the results and provides a graphical presentation report.



ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

Product Group: [ASTM/AASHTO CBR mould and accessories](#)

With collar and perforated baseplate.

Standards

ASTM D1883, AASHTO T193

Specification

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



ASTM Cutting Collar.

Code: 24-9236

Product Group: [Cutting Edge, ASTM/AASHTO CBR mould and accessories](#)

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

Standards

ASTM D1883, AASHTO T193

Specification

Dimensions	6" i.d. x 1-1/2" h. (152.4 x 38 mm).
Construction	Machined seamless steel tubing; recessed for mounting on CBR Mold.
Finish	Plated.
Weight	Net 1-1/2 lbs. (0.7 kg).



ASTM Spacing Disc.

Code: [24-9238](#)

Product Group: [Spacer Discs, ASTM/AASHTO CBR mould and accessories](#)

150.8 mm diameter x 61.4 mm deep.

Specification

Construction

Steel; machined on all sides.

Finish

Plated.

Weights

Net 18.9 lbs. (8.6 kg).



Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)

Product Group: [Filter Screen, ASTM/AASHTO CBR mould and accessories](#)

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

Specification

Mesh

Brass; number 100.

Size

5-15 /16" diam. (135 mm).

Weight

Net 1 oz. (28 g).



4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)

Product Group: [ASTM/AASHTO CBR mould and accessories](#)



5Lb (2.27Kg) Split Surcharge Weight.

Code: [24-9244](#)

Product Group: [Surcharge Weights, ASTM/AASHTO CBR mould and accessories](#)

Specification

Construction

Machined steel.

Finish

Plated.



5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)

Product Group: [Surcharge Weights, ASTM/AASHTO CBR mould and accessories](#)

Specification

Construction

Machined steel.

Finish

Plated.



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

Code: [24-9250](#)

Product Group: [Filter Paper, ASTM/AASHTO CBR
mould and accessories](#)

Box of 100.

Standards

ASTM D1883, AASHTO T193

Specification

Grade	Coarse.
Size	15 cm diam. (5.9â€³).
Weight	Net 8 oz. (22 7 g).



Swell Plate

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

Standards

ASTM D1883, AASHTO T193

Specification

Base Plate	5-7/8" diam. (14 9.2 mm); perforated.
Contact Head	Adjustable; locks on stem with knurled nut.
Construction	All brass.
Weight	Net 2-1/2 lbs. (1.1 kg).



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 and measurement

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



Swell Tripod

Code: [24-9262](#)

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

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

Standards

ASTM D1883, AASHTO T193

Further Information

Requires dial indicator; not included, order separately

Specification

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

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)



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

Code: 34-6575/01

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

This curing tank is supplied complete with a submersible pump, immersion heater/thermostat unit and separate control panel. The tank includes a lower rack as standard and is designed to maintain the temperature at $20 \pm 2^{\circ}\text{C}$, providing that the ambient temperature does not fall below 15°C or rise above 20°C .

Further Information

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

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

Specification

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