



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

This wishlist was generated on 08/06/2018, and contains the following Products:

35-1475

Concrete Test Hammer - English

42-1000/01

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

37-8315

2000 kN Load Calibration Device complete with Handheld Readout Unit & Calibration Certificate ISO376

37-8315/10

Handheld Digital Display

46-6100/01

Asphalt Binder Analyser 220-240V 50/60 Hz

47-5698

Open End Drill Bit, 4" Diameter

47-5175

Compact Core Drill

24-9150/02

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

42-5315/01

Los Angeles Abrasion Machine Meets ASTM and European Standards. 220-240V 50Hz 1Ph.

42-4005

Aggregate Impact Value Apparatus

24-0441/02

Motorized Liquid Limit Device

80-0200/01

ELE Sieve Shaker



Concrete Test Hammer - English

Code: [35-1475](#)

Product Group: [Concrete Test Hammer](#)

With English Calibration Curves

Standards

ASTM C805

Specification

Body	Includes indicator scale, calibration curves.
Calibration Curves	Rebound number vs. compressive strength.
Rubbing Stone	Prepares test surface.
Accuracy	Within 15 %.
Carrying Case	Plastic.
Weight	Net 3 lbs. (1.4 kg).

Accessories



Testing Anvil

Code: [35-1530](#)

Spares/Consumables



Rubbing Stone

Code: [35-1475/10](#)

Alternatives



Standard Concrete Test Hammer

Code: [35-1480](#)



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.

Accessories



200 mm Diameter Lid

Code: [79-0010](#)



200 mm Diameter Receiver

Code: [79-0020](#)



200mm Dia BS Sieve 31.5mm Perforated Plate.

Code: [79-1630](#)



200mm Dia BS Sieve 4.00mm Stainless Steel Mesh.

Code: [79-0310](#)



200mm Dia BS Sieve 63 Mic Stainless Steel Mesh.

Code: [79-0070](#)



200mm Dia BS Sieve 63.0mm Perforated Plate.

Code: [79-1670](#)



Digital Pocket Thermometer

Code: [82-5420](#)



Sample Container - Tinned Steel 10 litres

Code: [81-3060](#)



Sample Tray - 406 x 406 x 50 mm

Code: [81-4030](#)



Wire Basket Brass with Handle Nominal 6000Cm³ Capacity with 1.7mm Wire Mesh.

Code: [42-1005](#)



2000 kN Load Calibration Device complete with Handheld Readout Unit & Calibration Certificate ISO376

Code: 37-8315

Product Group: Calibration Devices

Complete with Hand Held Readout Unit and UKAS calibration certificate.

- Capacities 2 tonnes to 1000 tonnes
- $\leq \pm 0.1\%$ Accuracy
- Sealed to IP65
- Robust Construction
- Submersible Version Available
- Competitively Priced

The 0.1% accuracy series of column compression load cells are designed for use as reference standards for the calibration of other load cells or in high capacity weighing applications, where precise measurement and high accuracy is of utmost performance. Their simple column design and sealed construction assures excellent resistance in the most arduous conditions.

Applications: Reference standards, high capacity weighing applications, silo weighing, pile force measurement, heavy duty jack levelling systems, press calibration, centre of gravity (CoG) measurement systems and high capacity multi-point weighing systems.

Further Information

****Not available for sale in the USA****

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

Specification

Capacity	200 tonnes
Output	2.0m V/V (nominal)
Total accuracy	$\leq \pm 0.1\%$ of rated output
Environmental protection	IP65
Electrical connection	4m PUR cable
Operating temperature range	-20 to +70 deg C
Compensated temperature range	-10 to +50 deg C
Supply voltage	10v recommended 15v max
Operating mode	Compression

Accessories



2000 kN Load Calibration Device complete with Hand held Readout Unit & Cal Cert UKAS Traceable

Code: [37-8320](#)



3000 kN Load Calibration Device Complete with Hand Held Readout Unit & Cal Cert to UKAS traceable

Code: [37-8400/10](#)



3000 kN Load Calibration Device Complete with Hand Held Readout Unit ISO376

Code: [37-8400](#)

Spares/Consumables



Handheld Digital Display

Code: [37-8315/10](#)

Alternatives



2000 kN Load Calibration Device complete with Hand held Readout Unit & Cal Cert UKAS Traceable

Code: [37-8320](#)



3000 kN Load Calibration Device Complete with Hand Held Readout Unit & Cal Cert to UKAS traceable

Code: [37-8400/10](#)



3000 kN Load Calibration Device Complete with Hand Held Readout Unit ISO376

Code: [37-8400](#)



Handheld Digital Display

Code: [37-8315/10](#)

Product Group: [Calibration Devices](#)

- 7 digit LCD display (+/-99999990)
- With battery low, peak, trough, net & shunt calibration indicator
- Input: 5mV/V (50mV/V optional)
- Environmental protection: IP65
- 2 ranges/ engineering units
- Optional RS232 series data output
- Integrated TEDS (IEEE1451, template 33)
- Powered by 2 x AA batteries
- Compatible with most strain gauge based transducers
- Up to 25Hz display rate
- 450 hours battery life
- low power mode with 350ohm bridge connected
- auto sleep facility
- ex-stock availability
- 3 year warranty

The 37-8315/10 handheld display is a completely portable high precision instrument designed to work with all types load cells and strain gauge based transducers. The 7-digit LCD display makes it suitable for any monitoring application from general industrial up to high accuracy reference standards.

The 37-8315/10 comes packaged in a compact and enclosure which weighs only 260 grams and is powered by 2x 'AA' batteries that provide up to 450 hours of continuous operation in low power mode with a 350Ω load cell or strain gauge bridge connected.

For simplified use, the operator only has access to six keys; on/off, gross/net, peak, trough, hold and shunt cal. Calibration and configuration can be performed from the front panel, with protection against accidental or un-intentional changes. The configuration menu is very simple and enables the setting of a tare value, display resolution, filter rate, auto power off and selection of low power mode.

There are 3 calibration options; a single pass auto-calibration, entering of load cell sensitivity and corresponding display value and entering of offset and gain values for corresponding display values. The display also offers TEDS (Transducer Electronic Data Sheet) functionality allowing automatic calibration with any compatible sensor to which it is connected.

The 37-8315/10 has a dual range facility allowing for calibration in two different engineering units, i.e. lbs/kg, tonne/kN which offers the engineer the ability to tailor the instruments response to the application.

Accessories



2000 kN Load Calibration Device complete with Hand held Readout Unit & Cal Cert UKAS Traceable

Code: [37-8320](#)



2000 kN Load Calibration Device complete with Handheld Readout Unit & Calibration Certificate ISO376

Code: [37-8315](#)



300 kN Load Calibration Device Complete with Hand Held Readout Unit & Cal Cert to UKAS traceable

Code: [37-8310](#)



3000 kN Load Calibration Device Complete with Hand Held Readout Unit & Cal Cert to UKAS traceable

Code: [37-8400/10](#)



3000 kN Load Calibration Device Complete with Hand Held Readout Unit ISO376

Code: [37-8400](#)



600kN Load Calibration Device Complete with Hand Held Readout Unit & Calibration Certificate ISO376

Code: [37-8300](#)



Asphalt Binder Analyser 220-240V 50/60 Hz

Code: 46-6100/01

Product Group: Ignition Method

Designed to measure the asphalt binder content of hot mix asphalt (HMA) using loss on ignition, in accordance with AASHTO T 308-10, ASTM D6307-10 and BSEN 12697-39:2012.

Further Information

The integral microprocessor controlled weighing and calculation system is configurable to allow variations to the standard test method. Test result reports are available in both printed and software format. The high temperature afterburner minimises the production of noxious waste fumes. Supplied complete with 2 sets of sample baskets.

Features:

- Designed to measure asphalt binder content by loss on ignition
- Avoids health, environmental and waste management issues
- Avoids the expense associated with older solvent extraction methods
- Reduced emissions due to high temperature afterburner
- Controlled via a multi-lingual touchscreen interface
- English, Spanish, French, Chinese, Italian and Russian language display
- Other languages are available to order
- Automatic calculation of final sample weight and binder % result
- Adjustable aggregate correction factor
- Average test times from 20 mins for 6 mm aggregates, to 45 mins for 40 mm aggregates
- Permanent (dot-matrix) printed reports
- USB data output compatible with most spread sheets
- Easy naming, storage and recall of recipes that can be transferred between units
- Simplified menu structure with secure 'Supervisor' and 'Operator' settings
- Metal waste gas extraction pipe
- Factory fitted thermocouple access port, if temperature calibration is to be carried out
- Precise weight measurements, displayed to 0.1g resolution
- Capacity for large sample sizes for more accurate results (max. sample is 4.5kg)

Specification

Max Temp (°C)	750
Dimensions: Internal (HxWxD)	220 x 450 x 350 mm
Dimensions: External (HxWxD)	980 x 600 x 775 mm
Type	Bench-top
Thermocouple type	K
Max power (W)	8000



Open End Drill Bit, 4" Diameter

Code: [47-5698](#)

Product Group: [Core Drill Bits](#)

For taking core with diameter of 3-3/4" (95.2 mm).
Requires use of 4" Expanding Adapter.



Compact Core Drill

Code: 47-5175

Product Group: Compact Core Drill Machine

This compact and portable core drilling machine is designed to cut cores up to 150 mm diameter from concrete, asphalt and similar hard construction material.

The machine comprises a vertical support column which carries the drill head/motor assembly.

An integral water swivel is built into the drill head providing a 12 mm connection to an external water supply via 12 mm flexible hose (not supplied). The motor assembly comprises a 4 hp, 2-stroke petrol engine. Speeds of 800 rpm or 1200 rpm may be selected. A ball screw mechanism enables close control over drilling pressure and rapid return when drilling is completed.

The complete assembly is supplied on a rigid metal base frame with levelling facility and is suitable for vertically down drilling applications only.

Standards

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

Further Information

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

Special Note: Requires a continuous clean water supply via a 12 mm flexible hose (not supplied).



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

Code: 24-9150/02

Product Group: CBR Load Frames, CBR-Test 50 Machine

Standards

AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180

Further Information

110-120vAC, 60 Hz, 1Ø.

Proving Ring, Penetration Piston assembly and penetration dial indicator not included, order separately

Specification

Capacity	11 ,200 lbf. (50 kN).
Horizontal Clearance	10" (255 mm).
Vertical Clearance	31 .5" (800 mm) maximum.
Platen	5.24 " (133 mm) diam.
Platen Travel	4.13 " (105 mm).
Amps	4
Dimensions	15 .75" w. x 21 .65" d. x 48" h. (400 x 550 x 1,220 mm).
Weight	Net 269 lbs. (122 kg).

Accessories



50kN Clamped Boss Load Ring

Code: 78-0860



50kN S-type Load Cell

Code: [27-1559](#)



ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)



BS Cbr Mould Body.

Code: [24-9198](#)



BS Extension Collar

Code: [24-9200](#)



BS Solid Base or Top Plate

Code: [24-9204](#)



Cbr Penetration Piston (Adjustable).

Code: [24-9183](#)



CBR Penetration Piston Assembly

Code: [24-9179](#)



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

Code: [27-1705](#)



CBR Test Accessory Set English

Code: [24-9175](#)



CBR Test Accessory Set For Use with GDU or DSU

Code: [24-9185](#)



CBR Test Accessory Set Metric

Code: [24-9177](#)



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



Digital Proving Ring, 11,200 lbs (50.0 kN)

Code: [78-0864](#)



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

Code: [78-0764](#)



Penetration Dial Gauge BS

Code: [24-9186](#)



Penetration Piston

Code: [24-9182](#)



Penetration/Swell Dial Gauge ASTM.

Code: [24-9184](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)

Alternatives



CBR Loading Press, Hand-Operated

Code: [24-9345](#)



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

Code: [24-9150/01](#)



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

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



Digital Tritest 50 Load Frame

Code: [25-3518/02](#)



Versa-Loader

Code: [25-3525/02](#)



Los Angeles Abrasion Machine Meets ASTM and European Standards. 220-240V 50Hz 1Ph.

Code: [42-5315/01](#)

Product Group: [Los Angeles Abrasion Machine](#), [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.

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, AASHTO T96, NF P18-573

Further Information

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

Specification

Capacity	5,000 g each of aggregate and charge.
Drum Speed	30-33 rpm.
Frame	Welded structural steel.
Counter	Adjustable; automatic shut-off; push-button reset and adjustment.
Controls	Magnetic motor starter with overload protection and integral On-Off switches.
Dimensions	38.6" w. x 36.2" d. x 38.6" h. (980 x 920 x 980 mm).
Weight	Net 882 lbs. (400 kg).

Motor

1 HP

Accessories

Set of 12 Abrasive Charges (ASTM).

Code: [42-5300/10](#)



Set of 12 Abrasive Charges EN)

Code: [42-5305/10](#)



Alternatives



Los Angeles Abrasion Machine Meets ASTM and European Standards. 220-240V 60Hz 1Ph.

Code: [42-5315/06](#)



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

Code: [42-5310/01](#)



Los Angeles Abrasion Machine with CE Safety Cabinet W/ Microswitches. 220-240V 60Hz 1Ph.

Code: [42-5310/06](#)



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.



Motorized Liquid Limit Device

Code: [24-0441/02](#)

Product Group: [Motorized Liquid Limit Device](#)

Standards

ASTM D4318, AASHTO T89

Further Information

110vAC, 60 Hz, 1Ø.

Specification

Counter	Mechanical; records number of cup drops.
Cup	Spun brass; pin and slot mounting.
Base	Molded hard rubber.
Cam	Molded, self-lubricating plastic.
Dimensions	8-1/2" w. x 15" d. x 7-1/2" h. (216 x 381 x 191 mm).
Weight	Net 14 -1/2 lbs. (6.6 kg).

Accessories



Casagrande Grooving Tool Aashto

Code: [24-0461](#)

Spares/Consumables



ASTM Plastic Grooving Tools

Code: [24-0451](#)



ASTM Slider and Pin Cup Holder Assembly

Code: [24-0435/12](#)



Brass Cup

Code: [24-0435/10](#)

Alternatives



Liquid Limit Device

Code: [24-0435](#)



Liquid Limit Device with counter

Code: [24-0437](#)



ELE Sieve Shaker

Code: [80-0200/01](#)

Product Group: [ELE Sieve Shaker](#)

The ELE sieve shaker is powered by an electromagnetic drive that has no rotating parts to wear making it maintenance free and extremely quiet in operation.

The unit features a triple Vertical-Lateral-Rotary vibrating action that moves the sample over the sieve producing faster more efficient sieving, while the rapid vertical movements also help keep the apertures from blinding.

The shaker is ideal for laboratory or on site use. It is robust, compact and sufficiently lightweight to be portable. The separate digital microprocessor controlled console unit incorporates a keypad for setting the sieving program and is isolated from any effects of vibration from the shaker.

As standard the shaker includes, timer 0-999 minutes, adjustable vibration intensity and adjustable intermittent or continuous operation.

Further Information

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

The unit accepts up to ten 200 mm or 8 inch, full height, diameter sieves and lid and receiver, or up to six 300 mm or 12 inch diameter sieves and lid and receiver. Complete as specified. Dimensions (l x w x h) 380 x 440 x 1085 mm. For 220 - 240 V AC, 50 Hz 1ph.