



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

This wishlist was generated on 07/12/2016, and contains the following Products:

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36-3090/01

**ADR Touch 2000 Standard Compression Machine with Digital Readout.**

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37-6130

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

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37-6138

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

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37-6131

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

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37-6133

**Ball Seating Assembly 150mm Dia Platens.**

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36-1410/01

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

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34-3265

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

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34-2910

**Compacting Bar 25mm Sq X 380mm**

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42-4000

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

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38-2010

**Vicat Frame**

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38-2110

**EN Initial and Final Set Needle**

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38-2200

**Vicat Mould**

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34-4520

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

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34-4570

**150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.**

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34-5003

**100 X 100 X 500mm Beam Mould.**

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34-5053

**150 X 150 X 750mm Beam Mould.**

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34-5210

**100mm Dia Cylinder Mould 200mm Long.**

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34-5230

**150mm Dia Cylinder Mould 150mm Long.**

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34-5260

**150mm Dia Cylinder Mould 300mm Long.**

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34-0130

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

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24-2950

**100ml Density Bottle with Perforated Stopper.**

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35-2505

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

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34-3540/01

**ELE Concrete Mixer 56/40 Litre Capacity.**

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35-2846

**200mm "Demec" Mechanical Strain Gauge**

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35-2302/09

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

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535-210/01

**Colony Counter 220-240V 50Hz 1Ph.**

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34-8100/09

## **Buoyancy Balance**

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509-105

## **Automatic Weather Station**

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46-5295/01

## **Semi-Automatic Penetrometer**

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46-5340/C

## **Penetration Needle**

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46-5500/01

## **Constant Temperature Bath 21 - 56°C**

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46-5800

## **Transfer Dish**

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## **Penetration Tin**

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## **BS/EN Ring and Ball Apparatus**

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46-4825/01

## **Magnetic Stirrer**

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82-5272

## **Thermometer**

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42-0410

## **Flakiness Gauge.**

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42-0600

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

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42-0820

## **Length Gauge**

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46-3310/01

## **Cleveland Flash Cup Apparatus**

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23-4200

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

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25-1833/01

### **De-Aired Water Apparatus 15 Litre Capacity**

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25-3518/01

### **Digital Tritest 50 Load Frame**

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25-4047

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

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25-4166

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

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25-4200

### **Piston Restraint Clamp for Ele Triaxial Cells**

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25-4210

### **Dial Gauge 25mm Travel X 0.01mm Divisions**

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25-4290

### **Membrane Placing Tool 35mm/38mm.**

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25-4520

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

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25-5050

### **Pressure Pad 38mm/1.5 Inch Diameter.**

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25-5061

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

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25-5081

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

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25-5100

### **Suction Membrane Device 38mm/1.5 Inch Diameter.**

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25-5120

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

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25-5181

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

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25-5200

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

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26-1800/01

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

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26-1820

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

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26-1880

**Universal Pump and Pressure Indicating Panel 1700Kpa.**

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26-1892

**Twin Burette Volume Change Unit.**

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26-1926

**Nylon Tubing 6mm Od 3500Kpa.**

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27-1620

**Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.**

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78-0260

**Clamped Boss Load Ring - 4.5 kN**

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## ADR Touch 2000 Standard Compression Machine with Digital Readout.

Code: [36-3090/01](#)

Product Group: [General Purpose Compression Machines](#)

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

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

## Further Information

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

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

Whilst delivering all the features and reputation of the established ADR Series with its extensive design history, the new and improved user interface provides a high quality platform for testing that enhances the performance of ELE's compression machines.

New, sophisticated electronics further the benefits of simplified operation, whilst delivering the highest levels of accuracy in testing concrete and cement/mortar samples, satisfying the needs of Quality Control Managers, Lab Managers and Technicians.

### ACCURACY & SAVINGS

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

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

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

### TRACEABILITY & DATA QUALITY

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

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

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

## USER SAFETY

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

## Specification

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

## Spares/Consumables



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

Code: [6014A0062](#)





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

Code: 37-6130

Product Group: [Flexural Testing for Beams](#)

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

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

### Standards

BS 1881-118, EN 12390-5

### Further Information

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



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

Code: [37-6138](#)

Product Group: [Accessories to connect ELE compression machines to the flexural/transverse frames](#)

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

### Further Information

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



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

Code: [37-6131](#)

Product Group: [Flexural Testing for Beams](#)

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

### **Standards**

BS 1881-118, EN 12390-5

### **Further Information**

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



## Ball Seating Assembly 150mm Dia Platens.

Code: [37-6133](#)

Product Group: [Flexural Testing for Beams](#)

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

## Further Information

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



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

Code: 36-1410/01

Product Group: Compression Tension Machine

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

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

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

### Standards

BS EN ISO 7500-1, ASTM E4

### Further Information

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

220-240V 50/60 Hz 1Ph.



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

Code: 34-3265

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

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

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

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

## Standards

ASTM C231, AASHTO T152

## Specification

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

## Spares/Consumables





## Concrete Air Indicator

Code: [38-3280/10](#)



## Gauge Kit

Code: [34-3265/12](#)



## Pump Assembly

Code: [34-3265/10](#)



## Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)

Product Group: [Accessories for Concrete Moulds,](#)  
[Precision Air Entrainment Meter](#)

Steel, 380 x 25 mm (length x square) tamping area,  
EN/BS.

## Standards

EN 12390-1



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

Code: [42-4000](#)

Product Group: [Aggregate Impact Value \(AIV\)](#)

Heavy duty construction, heavily plated assembly ensures corrosion resistance.

### Standards

BS 812-112

### Further Information

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



## Vicat Frame

Code: [38-2010](#)

Product Group: [Vicat Method](#)

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

## Standards

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

## Further Information

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

## Spares/Consumables



## Consistency Plunger

Code: [38-2010/10](#)



## EN Initial and Final Set Needle

Code: [38-2110](#)

Product Group: [Vicat Method](#)

1.13mm diameter and 1.13mm diameter with special footing.

## Standards

ASTM C187, ASTM C191

## Further Information

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

## Spares/Consumables



## Consistency Plunger

Code: [38-2010/10](#)



## Vicat Mould

Code: [38-2200](#)

Product Group: [Vicat Method, Automatic Vicat](#)

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

## Further Information

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

## Spares/Consumables



## Consistency Plunger

Code: [38-2010/10](#)





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

Code: [34-4520](#)

Product Group: [Cube Moulds](#), [Cube Moulds](#)

4-part with clamp attached base plate.

### Standards

EN 12390-1, EN 12390-2

### Specification

Construction

Bolted sides and clamped base  
plate

Finish

Painted

Weight

20 lb (9.1 kg)



## 150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: [34-4570](#)

Product Group: [Cube Moulds](#), [Cube Moulds](#)

4-part with clamp attached base plate.

### Standards

BS 1881-108, EN 12390-1, EN 12390-2

### Specification

Construction	Bolted sides and clamped base plate
Finish	Painted
Weight	42 lb (19.1 kg)



## 100 X 100 X 500mm Beam Mould.

Code: [34-5003](#)

Product Group: [Beam Moulds](#)

Complete with base plate

Weight 17 kg

### Further Information

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



## 150 X 150 X 750mm Beam Mould.

Code: [34-5053](#)

Product Group: [Beam Moulds](#)

Complete with base plate

Weight 43 kg

## Standards

EN 12390-1, EN 12390-2

## Further Information

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



## 100mm Dia Cylinder Mould 200mm Long.

Code: [34-5210](#)

Product Group: [Cylinder Moulds](#)

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

## Standards

EN 12390-1, EN 12390-2

## Further Information

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



## 150mm Dia Cylinder Mould 150mm Long.

Code: [34-5230](#)

Product Group: [Cylinder Moulds](#)

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

## Standards

EN 12390-1, EN 12390-2

## Further Information

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





## 150mm Dia Cylinder Mould 300mm Long.

Code: [34-5260](#)

Product Group: [Cylinder Moulds](#)

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

## Standards

EN 12390-1, EN 12390-2

## Further Information

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



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

Code: [34-0130](#)

Product Group: [Precision Air Entrainment Meter, Slump Test, Accessories for Concrete Moulds](#)

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

### **Further Information**

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



## 100ml Density Bottle with Perforated Stopper.

Code: [24-2950](#)

Product Group: [Particle Density: Pyknometer Methods](#)

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

## Standards

ASTM C128, AASHTO T84



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

Code: 35-2505

Product Group: [Crack Detection](#), [Crack Detection Microscope](#)

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

Supplied in a pocket sized carrying case.

### Specification

Magnification	X 35 .
Measuring Range	4 mm.
Divisions	0.02 mm.
Dimensions	1.5" x 3.5" x 6" (40 x 90 x 150 mm) in case.
Weight	Net 19.4 oz. (550 g).



## ELE Concrete Mixer 56/40 Litre Capacity.

Code: 34-3540/01

Product Group: ELE Concrete Mixer

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

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

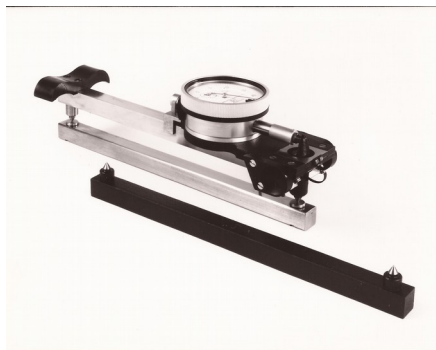
The mixer has been developed to give efficient mixing of both wet and dry materials. The mixing pan is removable and tilts for easy access to the pan and emptying on completion of the mixing operation. It is rotated by a turntable driven by a 1500 W, IP55 protected electric motor.

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

## Further Information

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

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



## 200mm "Demec" Mechanical Strain Gauge

Code: [35-2846](#)

Product Group: [Strain Gauge](#)

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

## Standards

BS 1881-206





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

Code: [35-2302/09](#)

Product Group: [Pundit Lab](#), [Pundit Lab Ultrasonic Concrete Test](#)

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

Designed with laboratory use in mind, its compact size, rugged construction and optimized power consumption make it equally suitable for on-site use.

Along with the traditional transit time and pulse velocity measurement, Pundit Lab offers path length measurement, perpendicular crack depth measurement and surface velocity measurement.

Optimized pulse shaping gives greater transmission range at lower voltage levels. This coupled with automated combination of the transmitter voltage and the receiver gain ensures an optimum received signal level, ensuring accurate and stable measurements.

The waveform can be viewed either via an external oscilloscope connection or directly on a connected PC screen.

Full remote control capability completes the package.

Complete with two 54 kHz transducers each with 3.6 metres of cable, coupling agent, carrying case and instruction manual.

### Standards

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

### Further Information

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

### Spares/Consumables



### Ultrasound Couplant Supplied In 250ml bottle

Code: [35-2305](#)



## Colony Counter 220-240V 50Hz 1Ph.

Code: [535-210/01](#)

Product Group: [Microbiology](#)

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

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

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

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## Further Information

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



## Buoyancy Balance

Code: [34-8100/09](#)

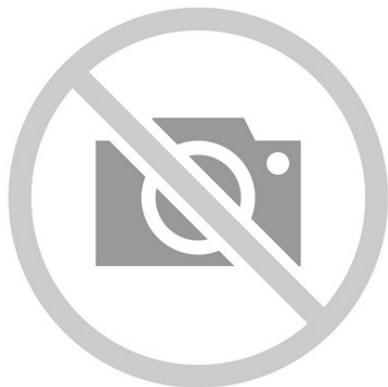
Product Group: [Percentage Refusal Density \(PRD\)](#),  
[Hardened Concrete - Buoyancy Balance](#)

## Standards

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

## Further Information

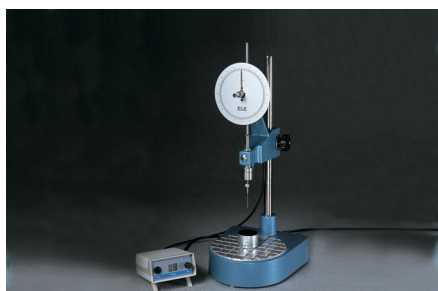
**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Automatic Weather Station

Code: [509-105](#)

Product Group: [Environmental weather station](#)



## Semi-Automatic Penetrometer

Code: [46-5295/01](#)

Product Group: [Penetration Test](#)

As 46-5290 but incorporates Digital Automatic Controller which releases the needle assembly. The time set is displayed by a bright, easy to read display.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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



## Penetration Needle

Code: [46-5340/C](#)

Product Group: [Penetration Test](#)

Hardened steel, supplied with an UKAS verification certificate. For testing to BS 2000-49 and ASTM D5. (Pack contains 1 needle only).

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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



## Constant Temperature Bath 21 - 56°C

Code: [46-5500/01](#)

Product Group: [Penetration Test](#)

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

## Further Information

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



## Transfer Dish

Code: [46-5800](#)

Product Group: [Bitumen Penetration Test](#), [Asphalt Penetrometer](#), [Penetration Test](#)

For use with ELE Penetrometer 46-5295.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49





## Penetration Tin

Code: [46-5860](#)

Product Group: [Penetration Test](#)

For penetrations between 200 and 350,  
approximately 70 mm diameter x 45 mm deep.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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



## BS/EN Ring and Ball Apparatus

Code: [46-4605](#)

Product Group: [Ring and Ball Apparatus](#)

With 2 shouldered pattern rings, 2 ball-centring guides and 2 balls. The apparatus has a support frame and is retained in a heat resistant container.

## Standards

EN 1427, BS 2000-58

## Further Information

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



## Magnetic Stirrer

Code: [46-4825/01](#)

Product Group: [Ring and Ball Apparatus](#)

Utilises a rotating magnetic field to induce variable speed stirring action. A built-in regulating transformer provides fine temperature control of liquid up to a maximum temperature of +150°C. The unit is suitable for use with the Ring and Ball Apparatus.

## Standards

EN 1427, BS 2000-58

## Further Information

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



## Thermometer

Code: [82-5272](#)

Product Group: [Non Hazardous Glass Thermometers, Ring and Ball Apparatus](#)

Mercury-free with a range of -10.0°C to + 210.0°C and graduated every 1°C. Immersion up to 76 mm

## Standards

EN 1427, BS 2000-58

## Further Information

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



## Flakiness Gauge.

Code: [42-0410](#)

Product Group: [Flakiness Sieves and Gauges](#)

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

## Standards

BS 812

## Further Information

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



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

Code: [42-0600](#)

Product Group: [Flakiness Sieves and Gauges](#)

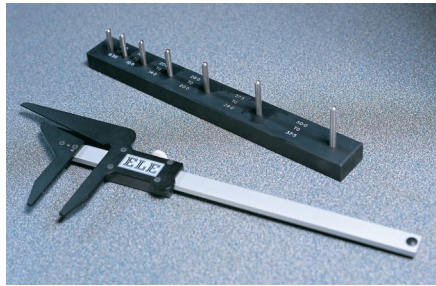
Comprising of 1 each, 4.9 mm, 7.2 mm, 10.2 mm,  
14.4 mm, 19.7 mm, 26.3 mm and 33.9 mm.

## Standards

BS 813

## Further Information

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



## Length Gauge

Code: [42-0820](#)

Product Group: [Elongation Index](#)

Manufactured to the dimensions specified in BS 182.

## Standards

BS 812-105

## Further Information

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



## Cleveland Flash Cup Apparatus

Code: [46-3310/01](#)

Product Group: [Cleveland Flash Cup Apparatus](#)

The ELE Semi-Automatic Cleveland Open Cup flashpoint Tester is equipped with an electrically heated cup (with a variable control to set temperature rise rate), a button operated and electrically driven sweep arm and a test flame for use on natural gas. Bench mounted, the unit is incorporated in an easy to clean stainless steel case.

## Standards

BS 2000-36, EN ISO 2592, ASTM D92, IP 36

## Further Information

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

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

## Specification

Temperature Range	Ambient to 400°C
Power	500 W maximum
Ramp rate	Variable, manually controlled
Voltage	220/240 V, 50/60 Hz
Size (HxWxD)	33 x 31 x 29 cm
Weight	6.5 kg





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

Code: 23-4200

Product Group: Soil Extruders, Accessories for manual and automatic compaction

Adaptor plates will be supplied; extrudes samples from BS Compaction Mould, Proctor Mould 100 mm, Core Cutter and Marshall Mould. Maximum extrusion force 20kn.

### Standards

BS 1377-1

### Further Information

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

## De-Aired Water Apparatus 15 Litre Capacity

Code: [25-1833/01](#)

Product Group: [De-Aired Water](#)



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

## Standards

BS 1377-1

## Specification

Dimension

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



## Digital Tritest 50 Load Frame

Code: [25-3518/01](#)

Product Group: [Digital Tritest 50 Load Frame](#), [CBR Load Frames](#), [Triaxial Load Frames](#)

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

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

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

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

## Standards

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

## Further Information

Complete with RS 232C interface.

## Specification

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

# Product Sheet

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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).



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

Code: 25-4047

Product Group: Triaxial Cell, Triaxial Cells

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

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

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

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

## Standards

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

## Specification

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



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

Code: [25-4166](#)

Product Group: [Base Pedestals, Specimen Base Adaptors](#)

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

## Standards

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



## Piston Restraint Clamp for Ele Triaxial Cells

Code: [25-4200](#)

Product Group: [Aggressive Materials, General Cell Accessories](#)

For ELE Triaxial Cells Manufactured From July 1996.

### Standards

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

### Further Information

To lock the loading piston into position



## Dial Gauge 25mm Travel X 0.01mm Divisions

Code: [25-4210](#)

Product Group: [Axial Displacement](#), [Digital Tritest 50 Load Frame](#)

25 mm travel x 0.01 mm

## Standards

BS 1377

## Spares/Consumables



## Dial Indicator - 1.0" Range

Code: [88-4100](#)





## Membrane Placing Tool 35mm/38mm.

Code: [25-4290](#)

Product Group: [Membrane Placing Tools, O-Ring Placing Tools](#)

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

## Standards

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



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

Code: [25-4520](#)

Product Group: [General Cell Accessories,](#)  
[Accessories for CU/CU effective stress](#)

### Standards

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

## Pressure Pad 38mm/1.5 Inch Diameter.

Code: [25-5050](#)

Product Group: [Pressure Pads](#)

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



## Standards

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



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

Code: [25-5061](#)

Product Group: [Rubber Membranes](#)

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

### Standards

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



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

Code: [25-5081](#)

Product Group: [Membrane Sealing Rings](#)

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

### Standards

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



## Suction Membrane Device 38mm/1.5 Inch Diameter.

Code: [25-5100](#)

Product Group: [Suction Membrane Devices](#), [Suction Membrane Device](#)

Suction Membrane Device For 38Mm/1.5 Inch Samples.

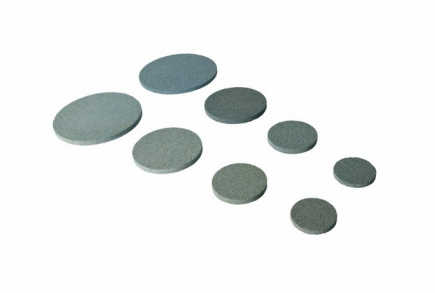


## Two-Way Split Former 38mm/1.5 Inch Diameter.

Code: [25-5120](#)

Product Group: [Two-way Split Formers](#), [Two-Way Split Formers](#)

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



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

Code: [25-5181](#)

Product Group: [Accessories for CU/CU effective stress, Porous Stones](#)

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





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

Code: [25-5200](#)

Product Group: [Accessories for CU/CU effective stress, Filter Paper Drains](#)

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



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

Code: [26-1800/01](#)

Product Group: [Air/Water Pressure Systems - up to 1000 kPa](#), [Oil/Water Constant Pressure System](#)

- 0 to 1700 kPa (250 lbf/in<sup>2</sup>) fully variable
- Continuous constant pressure control
- One litre capacity

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

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

## Further Information

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

## Spares/Consumables



### Oil 5 Litres T46

Code: [26-1805](#)



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

Code: [26-1820](#)

Product Group: [N/A](#)

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



## Universal Pump and Pressure Indicating Panel 1700Kpa.

Code: 26-1880

Product Group: [Modular Pressure Panel System](#)

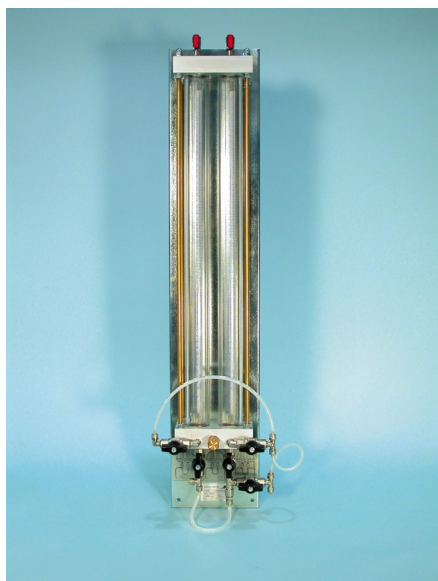
This is the main pressure display in the system for monitoring various pressures and also provides fine control of the pressure within the system using the rotary hand pump. The unit is fitted with a dual calibrated 250 mm diameter pressure gauge, four inlet/outlet no-volume change valves, screw controlled 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/in<sup>2</sup>.

## Spares/Consumables



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

Code: 26-1865/10



## Twin Burette Volume Change Unit.

Code: [26-1892](#)

Product Group: [Volume Change Measurement](#)

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



## Nylon Tubing 6mm Od 3500Kpa.

Code: [26-1926](#)

Product Group: [Permeability of Rock, Volume Change Measurement](#)

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



## Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

Code: 27-1620

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

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

## Standards

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

## Specification

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



## Clamped Boss Load Ring - 4.5 kN

Code: 78-0260

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

### Specification

Capacity: kN, kgf, lbf	4.5, 450, 1000
Typical Design sensitivity: N/div, kgf/div, lbf/div	3.0, 0.30, 0.66
Overall height mm	248
Approx weight kg	3.5
Capacity - lbf	1,000
Capacity - kN	4.5
Capacity - kgf	450
Typical Design Sensitivity - lbf/div	0.66
Typical Design Sensitivity - kN/div	3
Typical Design Sensitivity - Kgf/div	0.3
Overall Height	9.76" (248 mm)
Approx Weight	7.7 lbs.(3.5 kg)

### Spares/Consumables



#### Spare Dial Indicator for Load Rings

Code: 78-5461