



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

This wishlist was generated on 29/09/2017, and contains the following Products:

34-0192

Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.

34-0580

K-slump Tester

34-0300/01

Vibro Consistometer

34-0450

Apparatus for Determining Flow In Concrete (Flow Table).

34-3265

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

34-3540/01

ELE Concrete Mixer 56/40 Litre Capacity.

34-4570

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

34-6250/01

Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

34-2910

Compacting Bar 25mm Sq X 380mm

34-6431/01

Vibrating Poker 22mm Dia Tip 250mm Long. 220-240V 50/60Hz 1Ph.

34-6575/01

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

34-8100/09

Buoyancy Balance

34-8105

Cradle

34-8500

Drying Shrinkage & Moisture Movement Apparatus Complete with Two Calibration Rods

34-8538

Prism Mould 75 X 75 X 254mm

34-8541

Steel Inserts for EI34-8538 (Pack of 10)

78-5456/01

Electronic Balance - 4600 g x 0.01 g

78-5457/01

Electronic Balance - 8 000 g x 0.1 g

78-5527/01

Electronic Balance - 32 000 g x 1.0 g

35-1500

Advanced SilverSchmidt Concrete Test Hammer

35-2302/09

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

35-2505

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

35-4043

Gwt Permeability Kit 0-6 bar range Supplied In a carrying case.

36-3090/01

ADR Touch 2000 Standard Compression Machine with Digital Readout.

37-5050

Standard Distance Piece - 80 mm Depth

37-5100

Standard Distance Piece - 100 mm Depth

39-0035/01

Automatic/Manual 5 litre nominal capacity Mortar Mixer

36-1410/01

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

36-6165/01

ADR Touch Manual Power Pack Including Fitting Kit 220-240V 50/60Hz 1Ph

37-6140

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

37-6330

Specimen Bearer Assembly

37-6362

Specimen Bearers for Testing Kerbs. Used on 37-6140 Flags Frame.

37-6364

Specimen Bearers for testing flags. Used on 37-6140 flags frame.



Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.

Code: [34-0192](#)

Product Group: [Slump Test](#)

BS and ASTM comprising of slump cone, base plate, steel rule, tamping rod and funnel.

Further Information

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

Accessories



Sample Tray - 1200 x 1160 x 50 mm

Code: [81-4230](#)



Shovel - With flat blade

Code: [81-0240](#)

Spares/Consumables



Stopwatch

Code: [81-0521](#)



K-slump Tester

Code: [34-0580](#)

Product Group: [K-Slump Tester](#), [K-Slump Tester](#)

Developed to determine the workability of fresh concrete and the degree of concrete compaction placed in formwork. The apparatus can be used for in-place measurements of concrete in test moulds and forms and may be correlated to the standard slump test. It is simple, economical to use and reduces testing time. No special calibration is required.

Specification

Construction

Nickel Plated Steel. Calibrated 3/4" (19 mm) diam. Hollow tube; pointed insertion end; round disc controls depth of penetration.

Openings

Two groups through which concrete enters.

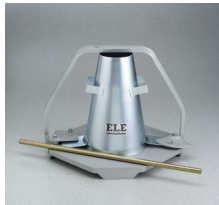
Test time

60 seconds

Weight

450 g

Alternatives



Portable Slump Test Set

Code: [EL3010E](#)



Slump Test Set

Code: [EL3020E](#)



Vibro Consistometer

Code: [34-0300/01](#)

Product Group: [Vebe Time](#)

Comprising of vibrating table, container, slump cone, graduated rod and plate. For 220 - 240 V AC, 50 Hz, 1 ph.

Further Information

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

Accessories



Aluminium Scoop Large

Code: [81-0220](#)



Sample Tray - 1200 x 1160 x 50 mm

Code: [81-4230](#)



Shovel - With flat blade

Code: [81-0240](#)



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

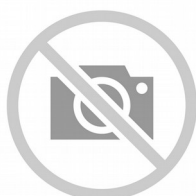
Code: [34-0130](#)



Transparent Disc for Vibro Consistometer 34-0300

Code: [34-0300/10](#)

Spares/Consumables



Stopwatch

Code: [81-0521](#)



Apparatus for Determining Flow In Concrete (Flow Table).

Code: [34-0450](#)

Product Group: [Flow Table](#)

Comprising of mould, flow table, tamper, metre rule, float and stopwatch

Standards

EN 12350-5

Further Information

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

Accessories



Aluminium Scoop Large

Code: [81-0220](#)



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Sample Tray - 1200 x 1160 x 50 mm

Code: [81-4230](#)



Shovel - With flat blade

Code: [81-0240](#)

Spares/Consumables



Stopwatch

Code: [81-0521](#)



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) |

Accessories



Aluminium Scoop Large

Code: [81-0220](#)



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



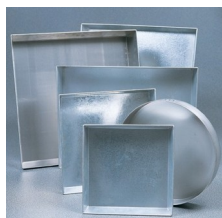
Float - Plasterer's type

Code: [81-0340](#)



Graduated Tamping Rod

Code: [34-0132](#)



Sample Tray - 1200 x 1160 x 50 mm

Code: [81-4230](#)



Shovel - With flat blade

Code: [81-0240](#)



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

Code: [34-0130](#)

Spares/Consumables



Concrete Air Indicator

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



Gauge Kit

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



Pump Assembly

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



Soft Headed Mallet.

Code: [29-5020](#)



Stopwatch

Code: [81-0521](#)

Alternatives



Concrete Air Indicator Kit

Code: [34-3280](#)



Press-Ur-Meter Type A

Code: [34-3267](#)



Volumetair

Code: [34-3272](#)



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.

Alternatives



ELE Concrete Mixer 56/40 Litre Capacity.

Code: [34-3540/06](#)



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) |

Accessories



Aluminium Scoop Large

Code: [81-0220](#)



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Float - Plasterer's type

Code: [81-0340](#)



Mould Oil (25 Litre Drum)

Code: [82-7341](#)



Wire Brush

Code: [81-0705](#)

Spares/Consumables



Soft Headed Mallet.

Code: [29-5020](#)

Alternatives



Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)



Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)

Product Group: [Vibrating Table](#)

Vibrating table mounted on a steel stand, supplied with clamp assembly.

Standards

EN 12390-2, EN 12350-6, EN 12350-7

Further Information

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

3000 cycles per minute. For 220 - 240 V AC, 50 Hz, 1 ph.

Specification

| | |
|-------------------------|-------------------------|
| Dimensions (table top) | 600 x 400 mm |
| Maximum no. Cube moulds | 2 x 150 mm ² |
| Clamp Assembly | Single |
| Weight | 60 kg |

Accessories



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Wire Brush

Code: [81-0705](#)

Alternatives



100 X 100 X 500mm Beam Mould.

Code: [34-5003](#)



100mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: [34-4650](#)



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

Code: [34-4520](#)



100mm Dia Cylinder Mould 200mm Long.

Code: [34-5210](#)



150 X 150 X 750mm Beam Mould.

Code: 34-5053



150mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4670



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

Code: 34-4570



150mm Dia Cylinder Mould 150mm Long.

Code: 34-5230



150mm Dia Cylinder Mould 300mm Long.

Code: 34-5260



**200mm Cube Mould Clamp Type. Cast Iron Construction.
Stamped Mould Sections. EN Compliant.**

Code: [34-4620](#)



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



Vibrating Poker 22mm Dia Tip 250mm Long. 220-240V 50/60Hz 1Ph.

Code: [34-6431/01](#)

Product Group: [Vibrating Poker](#)

- High amplitude and speed
- Flexible shaft for long life

Used as an internal means of vibratory compaction. The poker is inserted into the concrete which is then compacted by the high frequency vibration action. For use in either laboratory or site environments, the diameter of the vibrating tip must not exceed 25% of the smallest dimension of the specimen.

Standards

EN 12390-2

Further Information

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

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

Specification

| | |
|--------------------|------------------------------|
| Tip Dimensions | 22 mm diameter x 250 mm long |
| Shaft dimensions | 2.0 m long |
| Speed | 12,000 vibrations/min. |
| Overall Dimensions | 200 x 300 x 350 mm |
| Weight | 7 kg |



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 Large 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 .

Standards

EN 12390-2, ASTM C31, AASHTO T23

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 |

Accessories



Maximum and Minimum Thermometer

Code: [82-5310](#)

Alternatives



Jolting Table 220 - 240 V AC 60 Hz

Code: [39-1150/06](#)



Buoyancy Balance

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

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

Standards

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

Further Information

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

Accessories



Cradle

Code: [34-8105](#)



Cradle

Code: [34-8105](#)

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

Standards

EN 12697-32, EN 13280-4, BS 598-104, EN 1097-6

Accessories



Vibrating Hammer

Code: [47-0455/01](#)

Alternatives



Vibrating Hammer

Code: [47-0455/01](#)



Drying Shrinkage & Moisture Movement Apparatus Complete with Two Calibration Rods

Code: [34-8500](#)

Product Group: [Measuring Equipment](#)

Conforming to the requirements of EN 1367-4 and ASTM C490 comprising a steel frame with an adjustable-height beam and a dial gauge with 0.002 mm divisions. Supplied with two calibration rods EN and ASTM.

Standards

ASTM C348, ASTM C490, EN 12617-4, EN 12808-4, EN 1367-4, BS 6073-1

Further Information

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

Spares/Consumables



Length Comparator 11 5/8in Total Length; 3/8in Dia Tips.

Code: [34-8505/10](#)



Prism Mould 75 X 75 X 254mm

Code: [34-8538](#)

Product Group: [Prism Moulds and Inserts](#)

For producing specimens 75mm square x 254mm gauge length to BS 812-123. The mould is made of steel and constructed so that the gauge length can be set within ± 2.54 mm limits. The overall length of the manufactured prism with steel inserts is 292mm.

Further Information

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

Accessories



Steel Inserts for EI34-8538 (Pack of 10)

Code: [34-8541](#)



Steel Inserts for EI34-8538 (Pack of 10)

Code: [34-8541](#)

Product Group: [Prism Moulds and Inserts](#)

For use with prism mould 34-8538. Supplied in pack of 10.

Standards

BS 6073-1, EN 1367-4

Further Information

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



Electronic Balance - 4600 g x 0.01 g

Code: [78-5456/01](#)

Product Group: [Electronic Balances](#)

Further Information

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

Specification

| | |
|------------------------|--|
| Capacity resolution | 4500 g x 0.01 g |
| Pan size | 160 x 160 mm |
| Mains and battery | No |
| Dimensions (w x d x h) | 220 x 310 x 90 mm |
| Weight | 6 kg |
| Weighing units | g, kg, lb, lb:oz, oz, ozt, T, custom unit. |
| Repeatability | 0.02 g |
| Power supply | 100-240V, 50/60Hz, 1pH |



Electronic Balance - 8 000 g x 0.1 g

Code: [78-5457/01](#)

Product Group: [Electronic Balances](#)

Further Information

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

Specification

| | |
|------------------------|----------------------|
| Capacity resolution | 8000 g x 0.1 g |
| Pan size | 225 x 275 mm |
| Mains and battery | Yes |
| Dimensions (w x d x h) | 315 x 355 x 110 mm |
| Weight | 4 kg |
| Weighing units | g, kg, lb, lb:oz, oz |
| Repeatability | 0.1 g |



Electronic Balance - 32 000 g x 1.0 g

Code: [78-5527/01](#)

Product Group: [Electronic Balances](#)

Further Information

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

Specification

| | |
|------------------------|--------------------------|
| Capacity resolution | 32000 g x 1.0 g |
| Pan size | 225 x 275 mm |
| Mains and battery | Yes |
| Dimensions (w x d x h) | 315 x 355 x 110 mm |
| Weight | 6 kg |
| Weighing units | g, kg, lb, lb:oz, oz |
| Repeatability | 1 g |
| Power supply | 230AC, 50/60Hz, 10 watts |



Advanced SilverSchmidt Concrete Test Hammer

Code: 35-1500

Product Group: Surface Hardness

The SilverSchmidt ST/PC is the first integrated concrete test hammer featuring true rebound value and unmatched repeatability.

Two factors contribute to the improved performance of this concrete test hammer over its predecessors:

- Velocity based detection of the rebound quotient
- The lightweight hybrid design of the impact plunger is made from aerospace alloy, matched to the elastic properties of the concrete and equipped with a hardness steel cap

Independent validation testing by BAM (Federal Institute for Materials Research and Testing, Germany) has shown the SilverSchmidt ST/PC to have less dispersion than the classical concrete test hammer over the entire range.

The unique design and high quality construction of the concrete test hammer SilverSchmidt ST/PC makes rebound hammer testing quicker and more accurate than ever before.

NOT AVAILABLE FOR SALE IN THE USA

Further Information

- The SilverSchmidt ST/PC concrete test hammer combines a high measurement accuracy with an unmatched repeatability.
- The rebound value requires no angular correction
- The concrete test hammer offers customer conversion curves for a wide range of compressive concrete strengths, including low f_c (<10 N/mm², 1'450 psi) and high strength concrete (up to 100 N/mm², 14'500 psi)
- A large number of measurement points can be easily collected by the concrete test hammer and automatically evaluated according to statistical data
- The concrete test hammer offers automatic conversion to the required measurement unit (MPa,

N/mm², kg/cm², psi)

Specification

| | |
|--------------------------------|---|
| Technical Data | Silver Schmidt |
| Impact Energy | 2.207 Nm |
| Hammer Mass | 135 g |
| Spring Constant | 0.79 N/mm |
| Spring Extension | 75 mm (2.95") |
| Dimensions | 55 x 55 x 255 mm (2.16" x 2.16" x 9.84") |
| Concrete Compressive Strengths | 10-100 N/mm ² (1450-14500 psi) |
| Weight | 570 g (1.4 lb) |



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

Code: 35-2302/09

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

35-2302/09 is the most versatile Concrete Tester to date. It has all the functions of the classic Concrete Tester, 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, 35-2302/09 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.

Applications include pulse velocity determination, quality assessment and uniformity, modulus of elasticity measurement, curing status evaluation, crack depth estimation, assessment of fibre reinforced concrete.

Consists of display unit, 2 transducers (54 kHz), 2 BNC cables 1.5m, couplant, calibration rod, USB charger with USB-cable, 4x AA (LR6) batteries, data carrier with software, documentation and carrying case.

Standards

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

Further Information

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

Specification

| | |
|------------------------------|--|
| Measuring range | Up to 15 m depending on concrete quality |
| Bandwidth | 20 to 500 kHz |
| Technology | Ultrasonic pulse velocity |
| Measuring resolution | 0.1 us |
| Pulse voltage UPV | 125 to 500 V |
| Receiver gain | 1x, 10x, 100x, auto |
| Pulse shape | Square wave |
| Nominal transducer frequency | 24-500 kHz |
| Number of channels | 1 |

Spares/Consumables



Ultrasound Couplant Supplied In 250ml bottle

Code: [35-2305](#)



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). |

Alternatives



Calibrated Crack Monitor

Code: [35-2510](#)



Gwt Permeability Kit 0-6 bar range Supplied In a carrying case.

Code: [35-4043](#)

Product Group: [Permeability of Concrete](#)

The Water Permeability Test Kit is a portable unit capable of measuring in-situ permeability. It has a dual measuring range of 0 - 1.5 bar or 0 - 6 bar. Consisting of a sealed water reservoir and all necessary attachments, the unit is supplied complete in a carrying case. Dimensions 460 x 310 x 100 mm (l x w x h).

Further Information

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



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 |

Accessories



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

Code: [37-6138](#)



2000 kN Capacity Calibration Load Cell with Hand-Held Readout

Code: [37-8315](#)



ADR Touch Head for Compression machines

Code: [37-4950/09](#)



Flexible Hose

Code: [5038B0027](#)



Impact Printer Rs232 Serial Connection. Supplied Complete with 1 Paper Roll.

Code: [37-4859/01](#)



Standard Distance Piece - 100 mm Depth

Code: [37-5100](#)



Standard Distance Piece - 20 mm Depth

Code: [37-4980](#)



Standard Distance Piece - 50 mm Depth

Code: [37-5000](#)



Standard Distance Piece - 60 mm Depth

Code: [37-5020](#)



Standard Distance Piece - 80 mm Depth

Code: [37-5050](#)

Spares/Consumables



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

Code: [6014A0062](#)

Alternatives



ADR Touch 1500 Compression Machine with Digital Readout.

Code: [36-0720/01](#)



Standard Distance Piece - 80 mm Depth

Code: [37-5050](#)

Product Group: [Distance Pieces](#)

Further Information

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



Standard Distance Piece - 100 mm Depth

Code: [37-5100](#)

Product Group: [Distance Pieces](#)

Further Information

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



Automatic/Manual 5 litre nominal capacity Mortar Mixer

Code: 39-0035/01

Product Group: Automatic/Manual 5 Litre Nominal Capacity Mortar Mixer

- New Microprocessor control
- New mix program selector
- Complies with latest EN Standards update
- Choice of automatic mixing cycles
- Sand and water dispenser supplied as standard

This mixer is designed to mix mortars and cement pastes to the requirements of the above Standards. The mixing paddle has a planetary motion and is driven by a motor with a microprocessor based speed and program controller. The mixer can be operated either in an automatic or manual mode. When the mixer is used in the manual mode, the two mixing speeds can be changed by means of a rocker switch, without switching off the motor. In the automatic mode any one of the preset mixing programs may be selected.

Standards

EN 196-1, EN 196-3, EN 413-2, EN 459-2, EN 1744-1, EN 13279-2, EN 1015-2, EN 13395-1, EN 13454-2, ISO 679, BS 3892-1, BS 3892-3, BS 6463-103, BS 4551-1

Further Information

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

Complete with bowl and paddle, sand and Water dispensers. For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

| | |
|------------------------|--|
| Dimensions (l x w x h) | 530 x 350 x 580 mm |
| Speeds (rpm) Low, High | Paddle: 140 ± 5, 285 ± 10 Mixing Head: 62 ± 5, 125 ± 10 |
| Rated Power | 180 W |
| Bowl Capacity | 5 litres approx. |
| Weight | 54 kg |

Accessories



Bowl Cover

Code: [39-0060](#)



Scraper

Code: [39-0065](#)

Spares/Consumables



Bowl

Code: [39-0031/11](#)



Paddle

Code: [39-0031/10](#)



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.



ADR Touch Manual Power Pack Including Fitting Kit 220-240V 50/60Hz 1Ph

Code: [36-6165/01](#)

Product Group: [Manual Power Packs](#), [Manual Power Packs](#)

For use with ELE Compression and Flexural Frames;

37-6130: 100kN Flexural (beams) Frame

37-6140: 100kN Flexural and Transverse (flags) Frame.

39-6120: 250/25 kN Compression Frame.

Alternatives



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

Code: [37-6130](#)



100kN Flexural and Transverse (Flags) Frame. Supplied Without Specimen Bearers and Fitting Kit.

Code: [37-6140](#)



250/25 kN Compression Frame with Platens

Code: [39-6120](#)



100kN Flexural and Transverse (Flags) Frame. Supplied Without Specimen Bearers and Fitting Kit.

Code: [37-6140](#)

Product Group: [Flexural and Transverse Testing](#)

- Open sided for ease of specimen loading
- Meets EN 1339, 1340 for kerbs and flagstones
- Optional ball seating assembly

This rigidly constructed, open sided frame is suitable for testing kerbs and flagstones to EN 1339,1340. With optional accessories it can also be used to test 100 mm and 150 mm section beams for flexural strength to EN 12390-5.

The frame supports a hydraulic ram and upper sub-platen assembly incorporating spherical seating. The upper and lower sub-platens will accept specimen loading bearers, which are supplied separately.

Further Information

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

Specification

| | |
|---------------------------------|-----------------------|
| Dimensions (l x w x h) | 840 x 845 x 1215 (mm) |
| Vertical clearance with bearers | 170 mm |
| Throat clearance | 330 mm |
| Ram travel | 330 mm |
| Weight | 460 kg |

Accessories



100 kN Flexural Fitting Kit ADR Auto for 110 - 120 V AC, 60 Hz, 1 ph

Code: [37-6135/02](#)



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 50 Hz, 1 ph

Code: [37-6135/01](#)



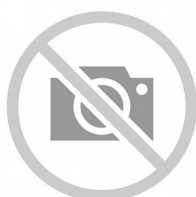
100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 60 Hz, 1 ph

Code: [37-6135/06](#)



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

Code: [37-6138](#)



Ball Seating Assembly 150mm Dia Platens.

Code: [37-6133](#)



Specimen Bearer Assembly

Code: [37-6330](#)



Specimen Bearers for testing flags. Used on 37-6140 flags frame.

Code: [37-6364](#)



Specimen Bearers for Testing Kerbs. Used on 37-6140 Flags Frame.

Code: [37-6362](#)



Standard Distance Piece - 100 mm Depth

Code: [37-5100](#)



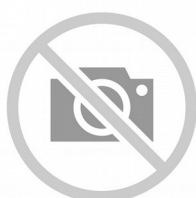
Standard Distance Piece - 20 mm Depth

Code: [37-4980](#)



Standard Distance Piece - 50 mm Depth

Code: [37-5000](#)



Standard Distance Piece - 60 mm Depth

Code: [37-5020](#)



Standard Distance Piece - 80 mm Depth

Code: [37-5050](#)

Alternatives



Accu-Tek Touch 250 Automatic Compression Machine 110 V 60Hz

Code: [36-1690/02](#)



Accu-Tek Touch 250 Automatic Compression Machine 220-240 V 50Hz

Code: [36-1690/01](#)



Accu-Tek Touch 250 Automatic Compression Machine 220-240 V 60Hz

Code: [36-1690/06](#)



ADR Touch Manual Power Pack Including Fitting Kit 110V 60Hz 1Ph

Code: [36-6165/02](#)



ADR Touch Manual Power Pack Including Fitting Kit 220-240V 50/60Hz 1Ph

Code: [36-6165/01](#)



Specimen Bearer Assembly

Code: [37-6330](#)

Product Group: [Flexural and Transverse Testing](#)

EN 12390-5, 1521, 13161, 772-6. Comprising 2 self-aligning upper roller bearers, 1 self-aligning and 1 fixed lower roller bearer. Roller bearers are 38 mm dia x 320 mm long and suitable for 3- or 4-point flexural testing of beams.

Standards

EN 12390-5, 1339, 1340

Further Information

Not available for sale in the USA



Specimen Bearers for Testing Kerbs. Used on 37-6140 Flags Frame.

Code: [37-6362](#)

Product Group: [Flexural and Transverse Testing](#)

For transverse testing of kerbs to EN 1340.

Standards

BS 7263, EN 1340

Further Information

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



Specimen Bearers for testing flags. Used on 37-6140 flags frame.

Code: [37-6364](#)

Product Group: [Flexural and Transverse Testing](#)

For transverse testing of flags to EN 1339.

Standards

BS 7263, EN 1339

Further Information

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