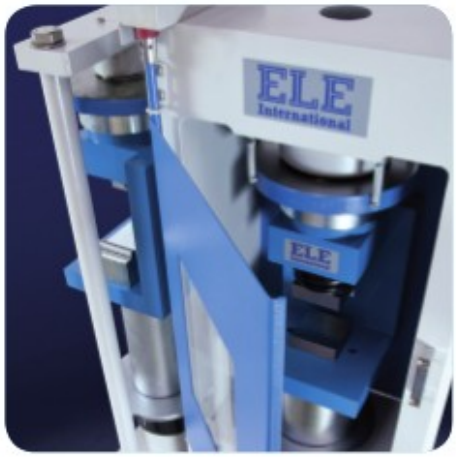
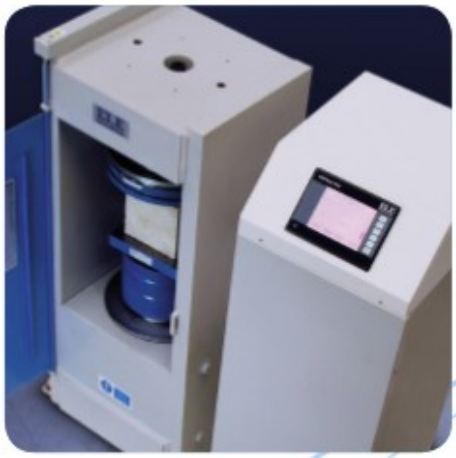


ELE INTERNATIONAL



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

www.ele.com

Contents

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200mm Dia BS Sieve 19.0mm Perforated Plate.

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200mm Dia BS Sieve 9.50mm Perforated Plate.

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200mm Dia BS Sieve 850Mic Stainless Steel Mesh.

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79-0160
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Contents

35-2302/09

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

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

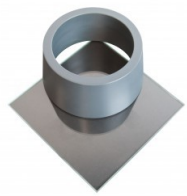
NOT AVAILABLE FOR SALE IN THE USA

Accessories

ASTM Initial Set Needle

Code: 38-2620

ASTM Vicat Mould

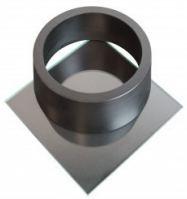


Code: 38-2660

EN Initial and Final Set Needle

Code: 38-2110

EN Vicat Mould



Code: 38-2300

Engineer's Steel Rule

Code: 81-0805

Harvard Trip Balance

Code: 78-7090

Timer Clock

Code: 81-0518

Vicat Mould

Code: 38-2200

Weights for Harvard Trip Balance

Code: 78-7110

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

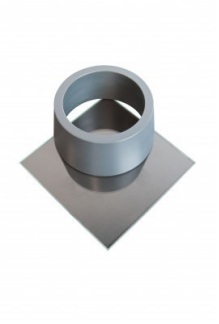
Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

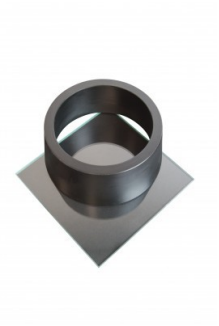
ASTM Initial Set Needle

Code: 38-2620



ASTM Vicat Mould

Code: 38-2660



EN Vicat Mould

Code: 38-2300

Engineer's Steel Rule

Code: 81-0805

Harvard Trip Balance

Code: 78-7090

Vicat Mould

Code: 38-2200

Weights for Harvard Trip Balance

Code: 78-7110

Spares/Consumables

Consistency Plunger

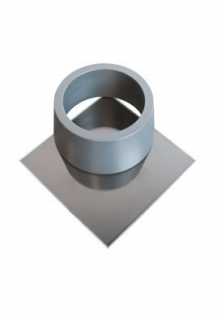
Code: 38-2010/10

Alternatives

ASTM Initial Set Needle

Code: 38-2620

ASTM Vicat Mould



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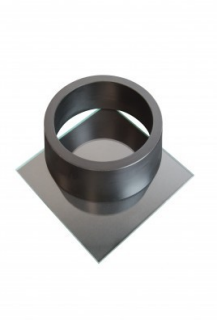
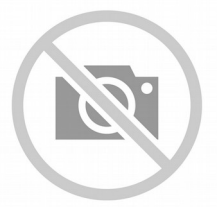
EN Vicat Mould



Code: 38-2300

Engineer's Steel Rule



Code: 81-0805

Harvard Trip Balance

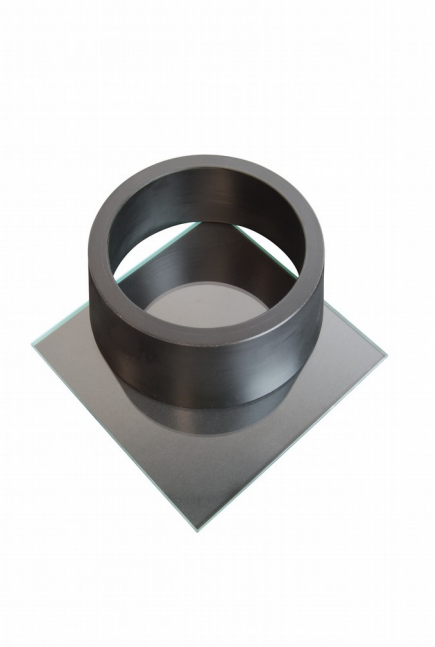
Code: 78-7090

Vicat Mould

Code: 38-2200

Weights for Harvard Trip Balance

Code: 78-7110



EN Vicat Mould

Code: 38-2300

Product Group: Vicat Method, Automatic Vicat

Accessory: manufactured from a hard rubber compound and supplied complete with a glass base plate.

Standards

EN 196-3

Further Information

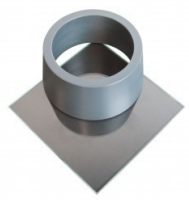
NOT AVAILABLE FOR SALE IN THE USA

Accessories

ASTM Initial Set Needle

Code: 38-2620

ASTM Vicat Mould



Code: 38-2660

EN Initial and Final Set Needle

Code: 38-2110

Vicat Mould

Code: 38-2200

Spares/Consumables

Consistency Plunger

Code: 38-2010/10

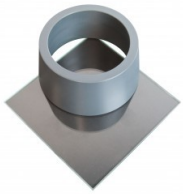
Alternatives

ASTM Initial Set Needle

Code: 38-2620

ASTM Vicat Mould

Code: 38-2660



EN Initial and Final Set Needle

Code: 38-2110

Vicat Mould

Code: 38-2200

200mm Dia BS Sieve 37.5mm Perforated Plate.

Code: 79-1640

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 19.0mm Perforated Plate.

Code: 79-1590

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 9.50mm Perforated Plate.

Code: 79-1550

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 4.75mm Perforated Plate.

Code: 79-1510

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 2.36mm Stainless Steel Mesh.

Code: 79-0280

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 850Mic Stainless Steel Mesh.

Code: 79-0220

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 600Mic Stainless Steel Mesh.

Code: 79-0200

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 300Mic Stainless Steel Mesh.

Code: 79-0160

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 150 Mic Stainless Steel Mesh.

Code: 79-0120

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200mm Dia BS Sieve 90 Mic Stainless Steel Mesh.

Code: 79-0090

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

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.

200 mm Diameter Receiver

Code: 79-0020

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310

Further Information

NOT AVAILABLE FOR SALE IN THE USA

200 mm Diameter Lid

Code: 79-0010

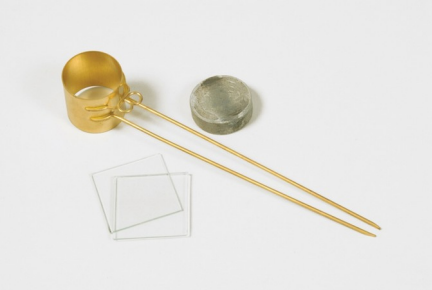
Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Le Chatelier Mould

Code: 38-3005

Product Group: General Expansion of Dry Hydrated Lime by the Le Chatelier Method, Soundness of Cement Paste by the Le Chatelier Method, Soundness

Comprising a split cylinder fitted with two indicator stems. The mould is supplied complete with two glass plates and a weight 100 g ±10 g. Three moulds required for each test.

Standards

BS 6463, EN 196-3, EN 459-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

Extensibility of Mould Apparatus BS

Code: 38-3200

Extensibility of Mould Apparatus EN

Code: 38-3205

Le Chatelier Water Bath

Code: 38-3420/01

Tamping Rod

Code: 38-3300

Trowel - Gauging

Code: 81-0335

Extensibility of Mould Apparatus EN

Code: 38-3205

Product Group: General Expansion of Dry Hydrated Lime by the Le Chatelier Method

Conforms to EN196-3, 459-2. The unit comprises a metal sleeve with a hook and set screw to fit over one of the mould pointers, and a clamp to fit onto the other pointer of the mould. Supplied complete with one weight 300 g ±1 g.

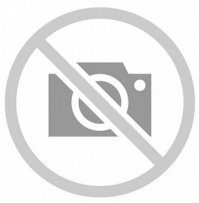
Standards

EN 196-3

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories



Tamping Rod

Code: 38-3300

Alternatives

Tamping Rod

Code: 38-3300

Le Chatelier Water Bath

Code: 38-3420/01

Product Group: Soundness of Cement Paste by the Le Chatelier Method, Soundness

Manufactured from corrosion resistant material, complete with a removable rack to hold up to twelve moulds and timer unit.

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

Extensibility of Mould Apparatus BS

Code: 38-3200

Tamping Rod

Code: 38-3300

Trowel - Gauging

Code: 81-0335

Alternatives

Extensibility of Mould Apparatus BS

Code: 38-3200

Tamping Rod

Code: 38-3300

Trowel - Gauging

Code: 81-0335

Tamping Rod

Code: 38-3300
Product Group: General Expansion of Dry Hydrated Lime by the Le Chatelier Method

17 mm end diameter.

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

Extensibility of Mould Apparatus BS

Code: 38-3200

Extensibility of Mould Apparatus EN

Code: 38-3205

Le Chatelier Water Bath

Code: 38-3420/01

Alternatives

Extensibility of Mould Apparatus BS

Code: 38-3200

Extensibility of Mould Apparatus EN

Code: 38-3205

Le Chatelier Water Bath

Code: 38-3420/01

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

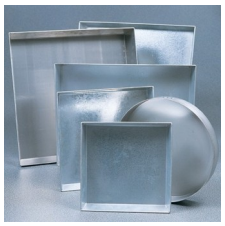
Code: 34-0192
Product Group: Slump Test

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

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

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)

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

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 & Calibrated to UKAS

Code: 37-8315

ADR Touch Head for Compression Machines

Code: 37-5951/09

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 - 50 mm Depth

Code: 37-5000
Product Group: Distance Pieces

Further Information

Not available for sale in the USA

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

Standard Concrete Test Hammer

Code: 35-1480

Product Group: Concrete Test Hammer, Surface Hardness

The hammer is intended for testing the quality of concrete in finished structures such as buildings and bridges. Supplied complete with carrying case and carborundum stone, the hammer is suitable for testing concrete with compressive strengths of 10 to 70 N/mm2.

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

Concrete Test Hammer - English

Code: 35-1475

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

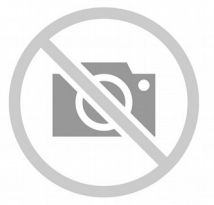
Further Information

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