



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

This wishlist was generated on 21/11/2017, and contains the following Products:

35-2505

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

35-2025

Rebar Detector and Covermeter

35-2304/09

Advanced Cover Meter

35-1480

Standard Concrete Test Hammer

35-2302/09

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

35-2303/09

Pulse Echo Concrete Tester

35-2305

Ultrasound Couplant Supplied In 250ml bottle

36-3320/01

ADR Touch 3000 BS EN Compression Machine with Digital Readout and Self Centring Platens.



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](#)



Rebar Detector and Covermeter

Code: 35-2025

Product Group: Rebar Detection

The Rebar Detector and Covermeter is a versatile, fully-integrated rebar detector and cover meter with a unique real-time rebar visualisation allowing the user to see the location of the rebar beneath the concrete surface to a maximum depth of 180 mm. This is coupled with rebar-proximity indicators and optical and acoustical locating aids. Rebar diameter can also be estimated within the specified testing range. The Rebar Detector and Covermeter combines these unique features in a compact, light device that allows the user to operate this rebar detector with one hand making the task of locating rebars a simple and efficient process. In addition, ELE's rebar detector convinces through its intuitive user interface making rebar detection easy.

NOT AVAILABLE FOR SALE IN THE USA

Further Information

- A rebar detector with real-time visualisation of the rebars beneath the instrument
- Visual indication of rebars in close proximity
- The 35-2025 is a rebar detector with the ability to identify the mid-point between rebars as well as the orientation of rebars
- Optical and acoustical indication of rebar location and minimum cover alert
- This rebar detector offers neighbouring bar correction
- Regional settings (metric, imperial)
- Cordless and single handed operation
- Switchable display backlight for dark environments
- A rebar detector with icon-based language independent menus
- Start-up test kit allows user to familiarize him/herself with all functions in a comfortable environment, wasting no time on site

Specification

Power Supply	2 x 1.5 V AA Batteries
Voltage Range	3.6 V to 1.8 V
Dimensions	205 x 92 x 41 mm (8 x 3.6 x 1.6")
Temperature Range	-10°C to 60°C (14°F to 140°F)
Humidity Range	0 to 100% rH
Protection Range	IP54



Advanced Cover Meter

Code: [35-2304/09](#)

Product Group: [Rebar Detection](#)

Advanced cover meter based on the new generation touchscreen with universal probe and scan cart. An enhanced correction factor for maximum cover accuracy on congested rebar arrangements. Dedicated functionalities for mapping concrete cover and for reporting any 2D rectangular rebar arrangement.

Highest cover measurement accuracy ever through Artificial Intelligence (AI) feature.

Full 2D rebar visualisation with detailed cover, rebar size and spacing data for fast reporting.

Applications include: locate rebars before drilling, cutting and coring, spot check of cover and rebar size, measurements on rough surfaces with scan cart, measuring wide areas over long distances, conformity check of new buildings, fire resistance assessment, investigation on unknown structures and complete imaging of rebar geometry.

Specification

Cover measuring range	Up to 185 mm
Cover measuring accuracy	± 1 to 4 mm, depending on cover
Path measuring accuracy on smooth surface	0.5 to 1.0 % of measured length
Diameter measuring range	Up to 63 mm
Diameter measuring accuracy	± 1 rebar size



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](#)



Pulse Echo Concrete Tester

Code: [35-2303/09](#)

Product Group: [Ultrasonic Detection](#)

The Pulse Echo Concrete Tester extends the ultrasonic application to objects where access is restricted to a single side. Major applications are slab thickness measurements and the location of voids and delaminations. Rugged touchscreen with intuitive user interface.

B-Scan is constructed directly on the instrument as the scan is carried out.

Can be upgraded to Multi-Channel.

The same instrument can be used with classic pulse velocity transducers.

Applications include: pulse velocity determination, quality assessment and uniformity, thickness measurement from a single side, location of delaminations, voids and honeycombing, location of hollow pipes, location of pipes and tendon ducts beyond the rebar layer and assessment of fibre reinforced concrete.

Specification

Measuring range	Up to 1 m depending on concrete quality
Bandwidth	20 to 500 kHz
Technology	Single channel ultrasonic pulse-echo
Measuring resolution	0.1 us
Pulse voltage UPE	± 50 to ± 200 V
Receiver gain	1 to 10,000x (0 to 80 dB)
Nominal transducer frequency	24-500 kHz
Pulse shape	Square wave
Number of channels	1



Ultrasound Couplant Supplied In 250ml bottle

Code: [35-2305](#)

Product Group: [Ultrasonic Detection](#)

Thick Grade

Further Information

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



ADR Touch 3000 BS EN Compression Machine with Digital Readout and Self Centring Platens.

Code: 36-3320/01

Product Group: BS EN Compression Machines

The ADR Touch range of 2000 kN and 3000 kN capacity compression machines has been designed to meet the need for reliable and consistent testing. The load frame is a welded steel fabrication carrying the ball-seated upper platen. Positively located on the loading ram, which is protected from debris by a flexible cover, the lower platen is marked for the centring of cube and cylinder specimens. Self-centring lower platens for cube location are supplied as standard on EN machines and are available as an optional extra on the standard machine. The two machines for cube testing to EN standards are assembled and aligned using a special compression frame stability tester.

The dimensions of the frame allow the testing of concrete cylinders up to 320 mm long x 160 mm diameter, 150 and 100 mm square cubes, and on EN/BS machines, 200 mm square cubes. Kerbs and flagstones may also be tested on ADR machines as well as 150 mm and 100 mm square section beams to ASTM C78 using the optional 100 kN flexural frames which are connected to the power pack.

Standards

EN 12350-6, NF P18-411

Further Information

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

ADR Touch BS EN 2000 and 3000 kN compression machines are supplied complete with self-centring lower platen and safety gates fitted with interlock switches ready for testing 300 x 150 mm diameter cylinders.

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 12390-4, BS EN 12390-3, BS EN 12390-4, BS EN 12390-5, EN 12504-1, EN 1354, EN 1521, EN 3161, EN 1338, EN 772-6, EN 13286-41, BS 3892-3, BS 187, BS 6717, BS EN ISO 7500-1, ASTM E4
Capacity	3000 kN
Cubes (Concrete)	Up to 200 mm
Cylinders (Concrete)	Up to 160 x 320 mm
Blocks	Via optional Platen Handling System
Flexural Testing	Via Flexural Frame
TFV and ACV	Yes
Voltage Supply	220-240V 50/60 Hz 1Ph.
Frame Class (Stability)	Tested
Frame Type	Welded
Max vert. Clearance	340 mm
Max hor. Clearance	310 mm
Platen Sizes	Lower 220mm sq, Upper 300mm dia
Max Ram Travel	50 mm

Accessories



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

Code: [37-6138](#)



3000 kN Capacity Calibration Load Cell with Hand-Held Readout & Calibrated to UKAS

Code: [37-8400](#)



ADR Touch Head for Compression Machines

Code: [37-5951/09](#)



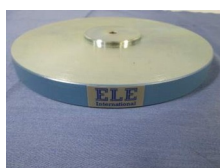
BS/EN Standard Rectangular Platen

Code: [37-4860](#)



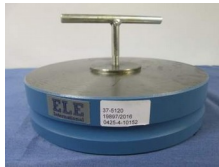
EN 12390-3/4 Distance Piece - 100 mm Depth

Code: [37-5180](#)



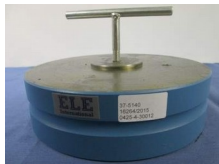
EN 12390-3/4 Distance Piece - 20 mm Depth

Code: [37-5110](#)



EN 12390-3/4 Distance Piece - 50 mm Depth

Code: [37-5120](#)



EN 12390-3/4 Distance Piece - 60 mm Depth

Code: [37-5140](#)



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

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

Spares/Consumables



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

Code: [6014A0062](#)