







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

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ADR Touch Control Pro 3000 Auto BS EN Compression Machine

Code: 36-5165/01

Product Group: BS EN Compression Machines

The ADR Touch Control Pro 3000 Auto BS EN is supplied complete with self-centring lower platen and safety gates fitted with interlock switches ready for testing 300 x 150 mm diameter cylinders. When used for cube testing Distance pieces (EN) of the appropriate size must be ordered separately.

Standards

EN 12350-6, NF P18-411, EN 12390-4, EN 12390-3, EN 772-1, BS EN ISO 7500-1, ASTM E4

Further Information

Not available for sale in the USA

The ADR Touch Control Pro will deliver all the features and quality of the established ADR-Auto range, with its 20 year history, but with a new sleek design and additional capabilities. The console assembly consists of an ADR Touch Control Pro and power base which can be used with all existing concrete and cement frames

User interface

The new ADR Touch Control Pro has an improved user interface providing a high quality platform for testing that will enhance the performance of our compression machines. It now has a larger 7-inch colour touch screen with a higher definition display, allowing easier observation of test progress. A favourites option is also available, allowing users to save the most common set-ups for immediate access, without the need for navigating through selection menus.

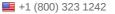
USER FLEXIBILITY

The ADR Touch Control Pro has a unique flexible head with rotation capabilities of 75-degrees and a 45-degree tilt, improving usability and comfort for individual users. It is available with four languages English, Spanish, Portuguese and French, making it even more user-friendly and accessible to a wider audience. The new LAN connectivity feature lets the operator use the PC based APP (ELE Logger) to download test results away from the test area. User flexibility has also increased with the new ADR Touch Control Pro as it can now be operated remotely, so tests can be initiated away from the test area. Many issues can be resolved quickly by our service team through the new remote diagnostics feature and updating to the latest version of software has never been easier.

Compatibility

The all new dual sensor capabilities allow users to test both concrete and cement samples on one frame. The ADR Touch Control Pro is compatible with all existing compression frames and upgrade kits are also available. The upgrade kits can be used to convert existing ADR-Auto consoles to the new Automatic Digital Control Readout.

Testing times





The new generation ADR Compression Machines have an increased control over the pace rate, which allows users to run the pace rate higher than average, but still within standard. This produces an average time saving of 10% for a typical 150mm cube sample.

ELECTRICAL

Reduced component count and no wire design results in increased reliability and serviceability. New low voltage interlocks and e-stop has increased safety. The ADR Touch Control Pro has the latest Arm Core Processor technology which has improved the processing power and speed.

Specification

Capacity Cubes (Concrete) Cylinders (Concrete) Blocks

TFV and ACV Voltage Supply Frame Type Max vert. Clearance Max hor. Clearance Platen Sizes

Max Ram Travel

3000 kN Up to 200 mm Up to 160 x 320 mm Via Optional Platen Handling System Yes 220-240 V 50 Hz 1 Ph Welded 375 mm 320 mm Lower 220mm sq, Upper 300mm dia 50 mm

Accessories

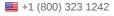


100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 50 Hz, 1 ph

Code: 37-6135/01



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 60 Hz, 1 ph Code: 37-6135/06







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

Code: 37-8400



300mm Lower Brick Platen

Code: 37-4842



BS Block Platens & Platen Handling Assembly for 2000kN & 3000kN BS Frames.

Code: 37-4830



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



Flexible Hose Code: 5038B0027



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

Alternatives



ADR Touch Control Pro 2000 Auto BS EN Compression Machine

Code: 36-5150/06







ADR Touch Control Pro 2000 Auto BS EN Compression Machine

Code: 36-5150/01



ADR Touch Control Pro 3000 Auto BS EN Compression Machine

Code: 36-5165/06







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

Code: 37-5110 Product Group: Distance Pieces

Standards EN 12390-3, BS 1881-115

Further Information











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

Code: 37-5120 Product Group: Distance Pieces

Standards EN 12390-3, BS 1881-115

Further Information









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

Code: 37-5140 Product Group: Distance Pieces

Standards EN 12390-3, BS 1881-115

Further Information









EN 12390-3/4 Distance Piece - 80 mm Depth

Code: 37-5170 Product Group: Distance Pieces

Standards EN 12390-3, BS 1881-115

Further Information







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

Code: 37-5180 Product Group: Distance Pieces

Standards BS 1881-115, EN 12390-3

Further Information









BS Block Platens & Platen Handling Assembly for 2000kN & 3000kN BS Frames.

Code: 37-4830 Product Group: Platen Assemblies

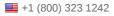
The Platen Handling Assemblies shall be supplied with El37-4860 BS/EN specification rectangular platen extended length safety gates and roller assemblies for the platens.

Suitable For ELE 2000 Kn BS/EN specification Compression Machines With serial numbers prefix 1868 and 1881 with the load frame Pre-drilled to accept rectangular Platen Handling Assembly On-Site

Standards

BS 6073-1, EN 772-1

Further Information







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

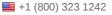
Dimensions (I x w x h) Vertical clearance with bearers Throat clearance Ram travel Weight 840 x 845 x 1215 (mm) 170 mm 330 mm 330 mm 460 kg

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







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

Code: 37-6135/01

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.

Further Information
Not available for sale in the USA







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







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







150mm Aggregate Crushing Value Apparatus. Supplied Complete with Metal Measure and Tamping Rod.

Code: 42-4300

Product Group: Aggregate Crushing Value (ACV) and Ten Percent Fines Value (TFV)

Comprising of 150 mm nominal diameter steel cylinder, plunger and base plate supplied complete with metal measure and tamping rod.

Standards BS 812-112

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories



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

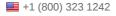
Code: 34-0130

Alternatives



75mm Aggregate Crushing Value Apparatus. Supplied Complete with Metal Measure and Tamping Rod.

Code: 42-4500







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.

Please note this item is not graduated.

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







225 Litre Drying Oven

Code: 78-1250/01 Product Group: Percentage Refusal Density (PRD), Oven Drying Method, Oven Drying Method, Oven Drying Method

Standards

EN 12697-32, EN 13280-4, BS 598-104, BS 1377

Specification

Capacity	225 litres
External Dimensions (I x w x h)	540 x 1040 x 940
Internal Dimensions (I x w x h)	440 x 920 x 600
Fluctuation	± 0.75°C
Rated power heater elements	2000 W
Shelves supplied	3
Shelf positions	4
Weight	80 kg

Alternatives



100 Litre Drying Oven

Code: 78-1225/01



150 Litre Drying Oven

Code: 78-1235/01



425 Litre Drying Oven

Code: 78-0135/01









50 Litre Drying Oven

Code: 78-1215/01







Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: 25-0440

Product Group: Measurement of Horizontal and Vertical Movement, Vertical settlement measurement, Direct/Residual Shear Apparatus

Spares/Consumables

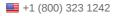


Electronic Digital Indicator, 0.600"/15 mm range Code: 88-4210



Vertical Dial Indicator, English

Code: 25-0445







Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

Code: 26-2114/01

Product Group: Direct/Residual Shear Apparatus, Direct/Residual Shear Apparatus

- Microprocessor control
- Large on-board LCD screen display
- Direct entry via touch sensitive keyboard
- Rapid approach and return to start datum
- Fully variable speed, 0.00001 to 9.99999 mm/minute
- Accepts specimens up to 100 mm square

The ELE Direct Shear Apparatus accepts specimens 60 mm, 100 mm square or 2.5 inches in diameter. The use of a microprocessor controlled drive system and keyboard entry gives the apparatus a wide range of features that include pause and speed reset during test, RS 232C interface, operator programming of speed and control functions, self test diagnostics and many other features. A return to start datum provides a positive means of reversing the shearbox when either preparing for a new test or continuing with residual testing procedures.

Safety forward/reverse travel limit switches are fitted as standard and monitored through the electronics system control.

The electronics are housed in a modern moulded shroud, which includes a large LCD display and keyboard entry. The apparatus is enclosed in a robustly constructed case, has been designed for floor mounting and is supplied complete with carriage, loading hanger and 10:1 lever loading device.

Standards

ASTM D3080, AASHTO T236, BS 1377, EN 1997-2

Further Information

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

Specification

Sample Size

Speed Range

Accepts either 2.42 ", 2.5" diam.; 60 mm square samples using accessory shear box assemblies, not included. Variable in either English or Metric units





	(9.99999 mm) per minute.
Shear Force	1,100 lbf. (5.0 kN) maximum.
Vertical Load	2,200 lbf. (10.0 kN) using 10:1 lever ratio.
Dimensions	44.7" l. x 12 .6" w. x 49.6" h. (1,135 x 320 x 1,260 mm).
Weight	Net 181 lbs. (82 kg).

Accessories



Clamped Boss Load Ring - 2.0 kN

between 0.000001"

(0.00001 mm) to 0.399999"

Code: 78-0060



Clamped Boss Load Ring - 3.0 kN

Code: 78-0160



Clamped Boss Load Ring - 4.5 kN

Code: 78-0260



Dial Gauge 10mm Travel X 0.002mm Divisions. Code: 25-0440









Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: 78-0264



Digital Proving Ring, 450 lbs (2.0 kN)

Code: 78-0064



Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: 27-1697



Mechanical Dial Indicator - 25 mm Range Clockwise Movement

Code: 88-4110



S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: 27-1551









Set of Weights 50 kg Slotted.

Code: 26-2132

Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: 27-1689



Weight Set A Code: 25-0535

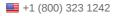


Weight Set B Code: 25-0537

Spares/Consumables



Dial Indicator - 1.0" Range Code: 88-4100









Electronic Digital Indicator, 0.600"/15 mm range

Code: 88-4210



Vertical Dial Indicator, English Code: 25-0445

0000.200110

Alternatives



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 110-120V 50/60Hz 1Ph.

Code: 26-2114/02



H60 Field Inspection Vane Tester 0-200Kpa In Carrying Case. includes calibration and certificates.

Code: 26-3335



Hand Vane Tester







Laboratory Vane Apparatus with 4 Springs and 12.7mm Vane; Hand Operated.

Code: 26-2270



Pocket Shearmeter with 3 Vanes 0 to 1Kgf/Cm2 X 0.5Kgf/Cm2.

Code: 26-2261



Shear Box Assembly 100mm Sq.

Code: 26-2197



Shear Box Assembly 2.5 Inch Diameter Code: 26-2213



Shear Box Assembly 60mm Sq.







Set of Weights 50 kg Slotted.

Code: 26-2132 Product Group: Application of Normal Stress

Normal stress is applied to the specimen through the lever loading device and the appropriate slotted weights

Accessories



Slotted Surcharge Weight 0.25 kg

Code: 26-2147



Slotted Surcharge Weight 0.5 kg.

Code: 26-2145



Slotted Surcharge Weight 1 kg.









Slotted Surcharge Weight 10 kg.

Code: 26-2137



Slotted Surcharge Weight 2 kg.

Code: 26-2141



Slotted Surcharge Weight 5 kg. Code: 26-2139

Alternatives



Slotted Surcharge Weight 0.25 kg

Code: 26-2147



Slotted Surcharge Weight 0.5 kg.









Slotted Surcharge Weight 1 kg.

Code: 26-2143



Slotted Surcharge Weight 10 kg.

Code: 26-2137



Slotted Surcharge Weight 2 kg. Code: 26-2141



Slotted Surcharge Weight 5 kg.







Shear Box Assembly 60mm Sq.

Code: 26-2181

Product Group: Shear Box Assemblies, Shear Box Assemblies

•Manufactured from corrosion resistant materials •Sample size 60 x 60mm x 25mm high meeting BS 1377

•Incorporates PTFE faced box separation screws to reduce friction

•Supplied complete with upper and lower porous plates and loading pad

•Suitable for quick undrained or drained/residual tests

Standards

BS 1377, EN 1997-2, ASTM D3080, AASHTO T236

Further Information

All shearbox assemblies are designed to fit the carriage of 26-2114 series Digital Direct/Residual Shear Apparatus. They are supplied complete with three porous plates, one retaining plate and a loading pad. The three sizes supplied comply with the relevant requirements of BS 1377 and ASTM D3080. All assemblies can be used for quick shear tests or drained/residual shear tests.

Optional accessories are available including specimen cutters and extrusion tools.

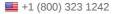
Specification

Specimen area	60 x 60 mm
Specimen thickness	25 mm
Weight kg	2
Relevant standard	BS 1377

Accessories



Specimen Cutter 60mm Sq.









Specimen Extrusion Tool 60 mm sq.

Code: 26-2189

Spares/Consumables



Porous Plate 60mm Sq. Code: 26-2181/10

Alternatives



2.42" Diameter Shear Box Assembly (California Type) Code: 26-2223



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 110-120V 50/60Hz 1Ph.

Code: 26-2114/02



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

Code: 26-2114/01









Shear Box Assembly 100mm Sq.







Specimen Cutter 60mm Sq.

Code: 26-2185 Product Group: Shearbox Assemblies- Accessories and Spares, Shearbox Assemblies- Accessories and Spares

Standards ASTM D3080, AASHTO T236

Accessories



Specimen Cutter 100mmsq.

Code: 26-2201



Specimen Cutter 2.5 Inch Diameter.

Code: 26-2217

Alternatives



Specimen Cutter 100mmsq.





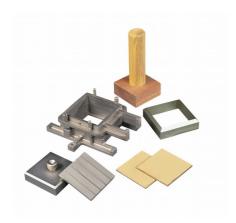




Specimen Cutter 2.5 Inch Diameter.







Specimen Extrusion Tool 60 mm sq.

Code: 26-2189 Product Group: Shearbox Assemblies- Accessories and Spares, Shearbox Assemblies- Accessories and Spares

Standards ASTM D3080, AASHTO T236

Accessories



Specimen Extrusion Tool 2.5 Inch Diameter.

Code: 26-2221

Alternatives



Specimen Extrusion Tool 2.5 Inch Diameter.







Clamped Boss Load Ring - 4.5 kN

Code: 78-0260 Product Group: Clamped Boss Load Rings, Digital Tritest 50 Load Frame, Load Measurement, Load Measurement, Proving Rings, Load Measurement, Direct/Residual Shear Apparatus

Specification

Capacity: kN, kgf, lbf Typical Design sensitivity: N/div, kgf/div, lbf/div	4.5, 450, 1000 3.0, 0.30, 0.66
Overall height mm	248
Approx weight kg	3.5
Capacity - Ibf	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)

Accessories



50kN Clamped Boss Load Ring

Code: 78-0860



Clamped Boss Load Ring - 10.0 kN

Code: 78-0460









Clamped Boss Load Ring - 2.0 kN

Code: 78-0060



Clamped Boss Load Ring - 28.0 kN

Code: 78-0760



Clamped Boss Load Ring - 3.0 kN Code: 78-0160



Digital Proving Ring, 1,000 lbs (4.5 kN) Code: 78-0264

Spares/Consumables



Spare Dial Indicator for Load Rings

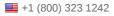
Code: 78-5461

Alternatives



50kN Clamped Boss Load Ring

Code: 78-0860







Clamped Boss Load Ring - 10.0 kN

Code: 78-0460



Clamped Boss Load Ring - 2.0 kN

Code: 78-0060



Clamped Boss Load Ring - 28.0 kN Code: 78-0760



Clamped Boss Load Ring - 3.0 kN Code: 78-0160



Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: 78-0264







Dial Gauge Code: 83-5456

Product Group: Dial Gauges, Measurement of Horizontal and Vertical Movement

Specification

Diameter mm	57
Travel mm	10
Grad. Mm	0.01
Scale	RH
Anvil	Ball
Back type	А







Porous Plate 60mm Sq.

Code: 26-2181/10 Product Group: Shearbox Assemblies- Accessories and Spares, Shearbox Assemblies- Accessories and Spares

Standards ASTM D3080, AASHTO T236

Spares/Consumables



2.42" Diameter Porous Stone Code: 26-2223/10



Porous Plate 2.5 Inch Diameter

Code: 26-2213/10

Alternatives



2.42" Diameter Porous Stone

Code: 26-2223/10



Porous Plate 2.5 Inch Diameter

Code: 26-2213/10



