

ADR-Auto 2000 BS/EN Compression Machine

BS 1881-115, 1881-116, 1881-117, 1881-118, 3892-3, 187, 6717
 EN 12390-3, 12390-4, 12390-5, 12504-1, 1354, 1521, 13161, 1338
 772-6, 13286-41
 DIN 51220, 51223 AS 1012-9

- **2000 kN capacity**
- **Meets BS/EN requirements**
- **Tests 200 mm, 150 mm & 100 mm cubes and cylinders up to 320 x 160 mm diameter**
- **Options to test mortar cubes and concrete beams**

The ADR-Auto range of machines has been developed to satisfy the requirements for consistent high throughput testing of concrete samples.

Incorporating a number of features from the top of the range ELE Auto Test series, these new machines are ideally suited for on-site quality control and production laboratories.

The automatic loading cycle is controlled by the closed-loop microprocessor hydraulic system incorporated in the extended power pack supplied with the loading frame.

All control functions and display are built into the hydraulic power pack. The microprocessor software provides a series of self-test routines to check the operation of the system. A serial output port is built into the system enabling test data stored in memory to be downloaded to a PC or suitable printer.

Safety gates are fitted with an interlock switch per EC safety requirements.

Specifications

Capacity.	2,000 kN.
Vertical clearance.	340 mm maximum.
Horizontal clearance.	260 mm maximum.
Upper platen.	300 mm diam.
Lower platen.	220 mm square.
Ram travel.	50 mm.
Measurement units.	kN, lbf or kgf (selectable).
Accuracy.	Better than $\pm 1\%$ over calibrated range.
Display.	4 rows x 20 characters LCD.
Output.	Serial RS232C.
Rated power.	1600 W.
Overall dimensions.	765 mm w. x 480 mm d. x 1,050 mm h.
Weight.	845 kg

Ordering Information

36-4140 series ADR-Auto 2000 BS/EN Compression Machine

36-4140/01 for 220-240vAC, 50 Hz, 1ph

36-4140/02 for 110-120vAC, 60 Hz, 1ph

36-4150/01 ADR-Auto 2000 BS/EN Compression Machine with Platen Handling Assembly

For 220-240vAC, 50 Hz, 1ph



Accessories

- 37-5120** BS/EN Distance Piece, 50 mm.
- 37-5140** BS/EN Distance Piece, 60 mm.
- 37-5170** BS/EN Distance Piece, 80 mm.
- 37-5180** BS/EN Distance Piece, 100 mm.
- 37-5420** Split Cylinder Platen Assembly.
For 300 x 150 mm diam. specimens.
- 37-5450** Test Pieces Hardboard Strips. For use with Split Cylinder Platen Assembly. Pack of 100.
- 37-6130** 100kN Flexural Beam Testing Frame. Supplied without bearers.
- 37-6131** BS/EN Specimen Bearer Assembly. Comprising 2 self-aligning upper bearers, 1 self-aligning and 1 fixed lower bearer.
- 37-6140** 100 kN Flexural and Transverse Testing Frame. Supplied without bearers.
- 37-6360** Upper Bearer and Pair of Self-aligning Lower Steel Bearers. For transverse testing of kerbs and flags to BS-7263.
- 37-6135/01** Flexural Frame Fitting Kit, 220-240vAC, 50 Hz, 1ph.
- 37-6135/02** Flexural Frame Fitting Kit, 110-120vAC, 60 Hz, 1ph.
- 39-5600** Compression Frame Jig Assembly. For testing mortar cubes.
- 39-5600/10** 40 mm Square Platen Set.
- 37-4860** Rectangular Platens 445 x 250 x 50 mm thick.

When used for cube testing, appropriate distance pieces according to the size of the specimen to be tested are required and must be ordered separately.

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