

ADR-Auto 250 Compression Machine

BS 3892-1, 4551-1, EN 196-1, 459-2, 1744-1, 1015-11, ASTM C109, AS2350

- **250 kN maximum capacity**
- **Calibration accuracy to BS EN ISO 7500-1; ASTM E4**
- **Automatic loading cycle**
- **Optional 25 kN low capacity frame**
- **Tests a wide variety of specimen sizes**
- **Tests mortar, lime, cement, and Fly Ash**

The ADR-Auto 250 Compression Machine provides consistent automatic testing of a wide range of specimens. The machine uses a standard ELE 250 kN load frame and ADR-Auto power pack which incorporates a number of features from the ELE AutoTest Control System.

As standard, the machine is supplied with platen fitted to the load frame, which is designed to accept a range of jig assemblies and distance pieces which must be ordered separately to suit the sample dimensions. The test capability of the machine can be extended by the use of an optional 25 kN load frame for low strength compression or flexural testing.

The automatic loading cycle is controlled by a closed-loop micro-processor hydraulic system. This is incorporated with the display in the extended power pack attached to the load frame. A serial output port is built into the system, enabling test data to be stored in memory (up to 500 test results) for subsequent downloading to PC or suitable printer.



Specification

	ADR-Auto 250	ADR-Auto 250/25
Overall dimensions mm (l x w x h)	520 x 850 x 125	520 x 850 x 1255
250 kN frame	230 mm	230 mm
Max horizontal clearance	225 mm	225 mm
Upper and lower platens (diameter)	150 mm	150 mm
25 kN frame		
Max vertical clearance	---	230 mm
Max horizontal clearance	160 mm	
Upper and lower platens	---	150 mm
Max ram travel	15 mm	15 mm
Rated power	1600 W	1600 W
Weight	850 kg	950 kg

Micro-processor Control

Specification

Measurement units	kN, lbf or kgf – selectable
Accuracy	Better than +/- 1% accuracy over calibrated range
Display	Backlit LCD 105 x 31 mm (w x h)
Maximum load	Held until reset
Output	Serial RS 232C

Ordering Information

39-6150/01 ADR-Auto 250 Compression Machine
250 kN capacity, supplied with safety gates and distance piece for standard jig assemblies. For 220-240 V AC, 50 Hz 1ph.

39-6155/01 ADR-Auto 250/25 Compression Machine
250/25 kN capacity, supplied as 39-6150 with 25 kN capacity frame fitted. For 220-240 V AC, 50 Hz 1ph.

Accessories

Compression Frame Jig Assembly see 39-5600

Flexural Frame Jig Assembly see 39-6160

Printer see 37-4859

Distance Pieces see 39-6205 for 60 mm height
39-6210 for 50 mm height
39-6215 for 30 mm height

ELE International

Chartmoor Road, Chartwell Business Park,
Leighton Buzzard, Beds, LU7 4WG, England
Tel: +44 (0) 1525 249 200
Fax: +44 (0) 1525 249 249
e-mail: ele@eleint.co.uk
<http://www.ele.com>

Distributor:

ELE International

PO Box 389
Loveland, CO 80539-0389 U.S.A.
Tel: +1 (970) 663-9780
Fax: +1 (970) 663-9781
e-mail: soiltest@eleusa.com
<http://www.eleusa.com>