

# Concrete Testing

## Strength Testing



### ADR-Auto V2.0 250/25 Compression Machine

EN 196-1, 459-2, 1744-1, 1015-11, 13454-2ASTM C109

- 250 kN maximum capacity
- Calibration accuracy to BS EN ISO 7500-1; ASTM E4
- Automatic loading cycle
- 25 kN low capacity frame supplied as standard
- Tests a wide variety of specimen sizes
- Tests mortar, lime, cement and Fly Ash
- Complete with compression/flexural jigs and platen sets
- Supplied with Windows® download software as standard

The ADR-Auto V2.0 250/25 Machine provides consistent automatic testing of a wide range of specimens. The machine comprises a standard ELE 250/25 kN load frame and ADR-Auto V2.0 console and incorporates all the features included in the ADR-Auto series concrete testing machines.

As standard the machine is supplied with platens fitted to the load frame, compression jig with 40mm and 50mm/2 inch square platen sets and flexural jig for testing 40.1 x 40 x 160mm prisms.

The availability of the 25kN low capacity load frame as standard extends the test capability of the machine for low strength compression or flexural testing.

The automatic loading cycle is controlled by a closed loop microprocessor hydraulic system incorporated with the display in the ADR-Auto console 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.

### Ordering Information

**EL39-6160/01** ADR-Auto V2.0 250/25 Cement Machine C/W  
Compression and Flexural Jigs and Platen Sets.

### Specification

	250 kN frame	25 kN frame
<b>Overall dimensions (mm) (l x w x h)</b>	520 x 850 x 1255	520 x 850 x 1255
<b>Max vertical clearance</b>	230 mm	230 mm
<b>Max horizontal clearance</b>	225 mm	230 mm
<b>Upper and lower platens</b>	150 mm dia	150 mm dia
<b>Max ram travel</b>	15 mm	15 mm
<b>Related power</b>	1600 W	1600 W
<b>Weight</b>	700 kg	700 kg

### Micro-processor Control Specification

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



For full details on the range of Cement testing equipment available from ELE please visit our website [www.ele.com](http://www.ele.com).