

# Soil Testing

## Compaction

### Automatic Compaction of Soils

The time and effort required to prepare specimens for compaction studies and other test methods can often be costly and time-consuming. The use of an automatic, mechanical compactor will show considerable cost benefits over hand compaction methods. Two models meeting the requirements of BS and ASTM are available.



### Automatic Compactor

BS1377, EN DD ENV 1997-2, 1924; ASTM D558, D560, D698, D1557; AASHTO T99, T134, T135, T136, T180

- Pre-set blow pattern ensures even compaction
- Solid state controls for reliability and ease of maintenance
- Automatic re-setting of counter after completion of blow pattern

These machines automatically compact specimens eliminating the laborious hand compaction method. The height and weight of the rammer is adjustable to suit test requirements. An automatic blow pattern ensures optimum compaction for each layer of soil. The rammer travels across the mould and the table rotates the mould in equal steps on a base that is extremely stable. The number of blows per layer can be set at the beginning of the test.

### Ordering Information

**EL24-9090/01** Automatic Soil Compactor, BS/EN for 220-240 V, AC 50Hz 1ph.

**EL25-9095/01** Automatic Soil Compactor, ASTM for 220-240 V, AC 50Hz 1ph.

### Accessories

**EL24-9000** Standard Compaction Mould, BS.

**EL24-9198** BS CBR Mould Body.

**EL24-9200** BS CBR Extension Collar.

**EL24-9060** Proctor Compaction Mould ASTM.

**EL24-9066** ASTM Compaction Mould.

**EL24-9090** series Automatic Soil Compactor with accessory mould.

### Specification

<b>Dimensions (l x w x h)</b>	430 x 240 x 1400mm	
<b>Rammer</b>	BS/EN	Circular faced, 50mm dia, adjustable to 2.5 kg or 4.5 weight
	ASTM	Circular faced 2 in (50.8 mm) dia. Adjustable to 5.5 lb (2.5 kg) or 10 lb (4.5 kg) weight
<b>Drop</b>	BS/EN	Adjustable to 300mm or 450 mm.
	ASTM	Adjustable to 12 in (305 mm) or 18 in (455 mm)
<b>Weight</b>	98 kg	