

Your Provider Of High Quality Material Testing Equipment

If It's Worth Building, It's Worth Testing

March 2025

Latest News New Product

New products launched at the UK Concrete Show



AUTO BLAINE



UPV



AUTOMATIC VICAT



SIEVE SHAKER CONTROLLERS



CONCRETE TEST HAMMER



PENETROMETERS

Spring is always an exciting time. At ELE we are pleased to announce a number of exciting new products. If you were fortunate to attend the UK Concrete Show and visited the ELE stand you would have seen on display the Auto Vicat and Auto Blane apparatus, updates to the ELE Sieve Shaker Controllers, both the standard and the control versions. In addition, ELE had on display a new range of non-destructive test equipment; the Digital Concrete Test Hammer, our brand new Ultrasonic Pulse Velocity Meter and finally, both Soil and Concrete Handheld Penetrometers.

Finally, we would like to extend our thanks to anyone who visited our stand at the show, it was great to see new and old faces, we look forward to attending the show next year.

For more information on any of the new products, please contact our sales team, or visit our website.

New Arrivals Into Stock



Auto Soil Consolidator

Product code: 25-0500/09
Category: Consolidation Apparatus, Soils

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Vitrobond High Strength Capping Compound

Product code: 34-6110/05
Category: Fresh and Hardened Concrete Testing, Concrete

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Sieves

Product code: 79-0xxx, 79-1xxx, 79-2xxx, 79-3xxx, 79-5xx
Category: Particle Size Analysis, Laboratory Equipment

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Product Focus

AUTO Soil Compactor (BS & ASTM Versions)

Product code:

BS Version: 24-8080/01, 24-8080/06

ASTM Version: 24-8085/01, 24-8085/06

Standards Compliance:

BS Version: BS 1377-4, BS 1924-2, EN 13286-2, EN 13286-47

ASTM Version: ASTM D558, ASTM D698, ASTM D1557, AASHTO T99,

AASHTO T134, AASHTO T180

Product Overview

The ELE Auto Soil Compactor automates soil specimen preparation for Proctor and CBR tests, reducing manual effort and improving test consistency. With a pre-set blow pattern, adjustable rammer weight and drop height, and solid-state digital controls, it ensures precise and repeatable soil compaction in compliance with BS, EN, ASTM, and AASHTO standards.

The system enhances laboratory efficiency, providing a reliable solution for soil compaction studies while minimising operator intervention.

Highlights:

- **Automated Soil Compaction:** Eliminates manual effort, ensuring uniform specimen preparation.
- **Pre-Set Blow Patter:** Delivers accurate, even compaction across layers.
- **Adjustable Rammer & Drop Height:** Customisable to meet different test standards.
- **Digital Counter System:** Automatically resets after each test for seamless operation.
- **Durable & Reliable:** Solid-state controls ensure long-term, maintenance-free performance.
- **Multi-Standard Compatibility:** Supports both Standard and Modified Proctor tests, accommodating various soil testing requirements.



Technical Specifications

BS Version:

Rammer Size: 50 mm dia, selectable weight (2.5 kg or 4.5 kg)

Drop Height: 300 mm or 450 mm

Compaction Rate: ~26 blows per minute

Dimensions (L x W x H): 430 x 240 x 1400 mm

Weight: 160 kg

Power Supply: 220-240V AC, 50/60 Hz, 1 ph

ASTM Version:

Rammer Size: 2-inch (50.8 mm) dia foot, selectable weight (5.5 lb or 10 lb)

Drop Height: 12 inches (305 mm) or 18 inches (457 mm)

Dimensions (L x W x H): 250 x 430 x 1400 mm

Weight: 160 kg

Power Supply: 220-240V AC, 50/60 Hz, 1 ph

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