



Product Description

The Mechanical (Automatic) Compactor is designed for efficient and uniform compaction of soil samples to determine moisture-density relationships in accordance with standard testing procedures. The system ensures consistent compaction energy and repeatable results, making it ideal for geotechnical and civil engineering laboratories.

Standards Compliance

- ASTM D698 (Standard Proctor Test)
- ASTM D1557 (Modified Proctor Test)

Technical Specifications

- **Type:** Mechanical (Automatic) Compactor
- **Operation:** Fully automatic electro-mechanical system
- **Rammer Mass:**
 - 2.5 kg
 - 4.5 kg
- **Drop Heights:**
 - 305 mm
 - 457 mm
- **Blow Rate:** 55 ± 5 blows per minute
- **Blow Counter:** Digital blow counter with preset and automatic stop
- **Mold Capacity:**
 - 100 mm mold: 55 ± 5 blows/min
- **Mold Compatibility:**
 - 100 mm diameter mold
 - 150 mm diameter mold
- **Power Supply:** 220–240 V, 50 Hz
- **Supply:** Complete unit (1 set)

Key Features

- Automatic and uniform compaction
- High accuracy and repeatability

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Sturdy construction for long-term use
- User-friendly digital interface
- Low maintenance operation

Applications

- Standard Proctor Compaction Test (ASTM D698)
- Modified Proctor Compaction Test (ASTM D1557)
- Soil compaction and density analysis in laboratories

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