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FLOW TABLE (MOTORISED) AZA0791C

The Flow Table (Motorised) AZA0791C is an advanced testing instrument designed to determine the flow, consistency, and workability of cement mortar and concrete mixes under controlled automated conditions.

Unlike manual models, this unit features a motor-driven drop mechanism, ensuring precise, repeatable, and standardized test cycles—making it ideal for high-volume laboratories, R&D centers, and quality control applications.

Key Features

- Fully motorised drop mechanism for automated operation
- Preset drop cycles for consistent and repeatable testing
- Precision-engineered 762 mm circular table plate
- User-friendly control panel with start/stop and cycle settings
- Heavy-duty base for vibration absorption and stability
- Integrated safety locking system and emergency stop
- Suitable for continuous and high-volume testing environments



Applications

- Cement and concrete testing laboratories
- Research & development centers
- Precast concrete production units
- Construction quality control labs
- Academic and training institutes



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Working Principle

The instrument evaluates flowability by measuring the spread of a sample after controlled automated drops.

Procedure:

1. Place and fill the flow mould with fresh mortar/concrete.
2. Lift the mould vertically.
3. Start the machine using the control panel.
4. The table automatically performs preset drops (typically 25) at a fixed height.
5. Measure spread diameter in two directions.
6. Calculate the average as the flow value.

Standards & Compliance

- IS 1199:1959 – Methods of Sampling and Analysis of Concrete
- ASTM C230 / C230M – Flow Table for Hydraulic Cement Testing

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TECHNICAL SPECIFICATION

Parameter	Specification
Table Diameter	762 mm (30 inches)
Drop Height	12.5 mm \pm 0.5 mm
Drop Count	Programmable (typically 25 drops)
Table Material	Brass / Stainless Steel
Flow Mould Dimensions	100 mm H \times 100 mm top \varnothing \times 200 mm base \varnothing
Motor Type	Geared motor with controlled drop mechanism
Operating Mechanism	Fully motorised with control panel
Power Supply	230V AC, 50 Hz
Safety Features	Emergency stop, locking mechanism
Base Frame	Heavy-duty rigid construction
Application	Mortar & Concrete Flow Testing

Standard Supply

- Motorised Flow Table Unit
- Flow Mould (Frustum Cone)
- Control Panel (integrated)
- Heavy-duty Base Frame
- Power Cable