



Motorized Liquid Limit Test Set (Casagrande Method) is used to determine the moisture content of soil transitions from plastic state to liquid state under standardized conditions. The apparatus consists of a brass cup, a mechanism for controlling the rate of rotation, a counter, and a grooving tool. During the test, the soil sample is mixed with water to form a paste, and the paste is then placed in the cup. The cup is rotated on a carriage at a standardized rate, and a grooving tool is used to create a groove in the soil paste. The number of blows required for the groove to close over a certain distance determines the liquid limit of the soil.

This **Motorized Liquid Limit Test Set** comes with a motorized mechanism that controls the rotation of the brass cup during the test. The rotation rate can be precisely controlled, eliminating potential variations that could occur with manual rotation, as it automates the rotation of the cup, reducing the need for manual intervention and streamlining the testing procedure.

- **FEATURES:**
- **Brass Cup:** The cup is made of brass and has standardized dimensions to hold the soil paste during testing.
- **Mechanism for Controlling the Rate of Rotation:** The cup is attached to a carriage, which is controlled by a motorized mechanism. This mechanism allows the cup to be rotated at a standardized rate during the test.
- **Counter:** A counter is integrated into the apparatus to keep track of the number of rotations or blows applied during the test. This is essential for accurately determining the liquid limit.
- **Grooving Tool:** A grooving tool is provided to create a standardized groove in the soil paste. This groove serves as a reference point to observe the soil's behavior as it transitions from plastic to liquid state.

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



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TECHNICAL PARAMETERS

Type	Motorized - Operated
Dimension (mm)	230 (L) x 145 (W) x 130 (H)
Case Dimension (mm)	325 (L) x 205 (W) x 165 (H)
Approx. Weight	3.4 kg (with case 5.6kg)
Power	240 V, 1 ph, 50 / 60 Hz, 6 A, 0.075 W



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