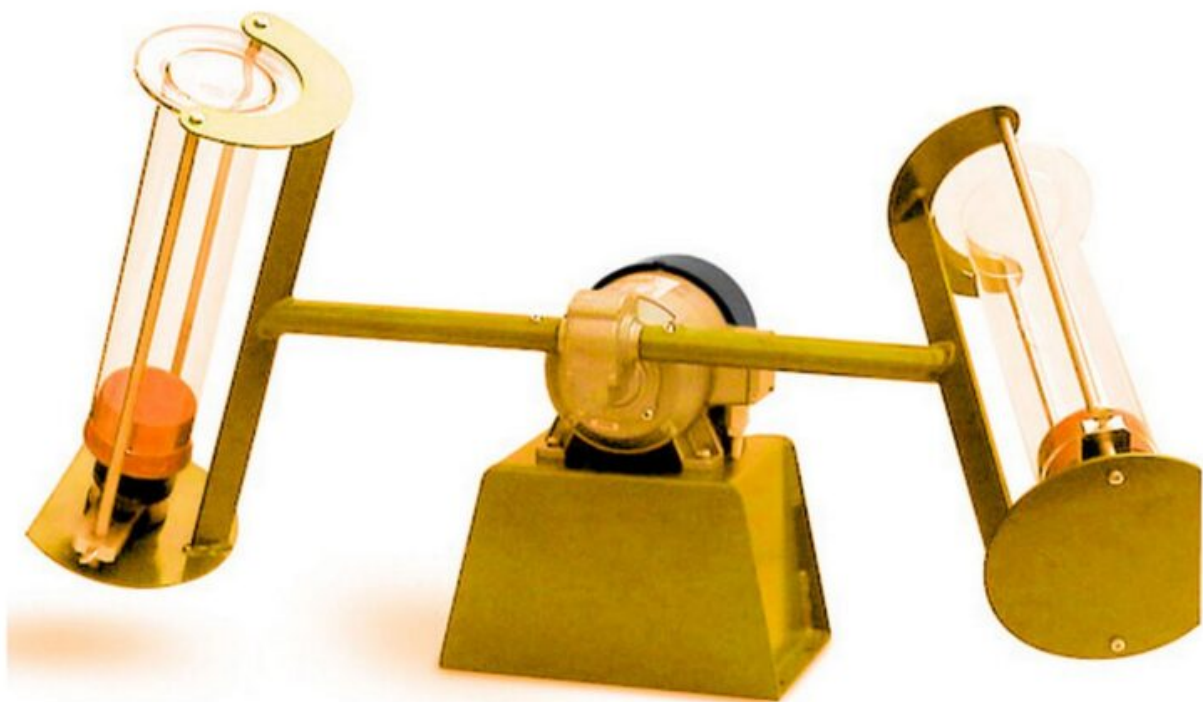


# **MOTORIZED MECHANICAL END-OVER-END SHAKER (T251M001)**

Category: General



**Product Code:** T251M001

**Category:** GENERAL

**Sub-Category:** PARTICLE SIZE ANALYSIS

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- The Motorized Mechanical End-Over-End Shaker is designed to homogenize fine soil specimens mixed with water, ensuring consistent and repeatable agitation.
- This apparatus is essential for performing sedimentation analyses, such as the hydrometer method, to determine the particle-size distribution of soil samples finer than the 75- $\mu$ m sieve.
- Capable of holding two gas jars simultaneously, the shaker operates at approximately 50 rotations per minute, providing uniform mixing in compliance with BS 1377-2 standards.
- When used in conjunction with the Hydrometer Test Set, the shaker facilitates the analysis of fine-grained soil fractions, delivering results as mass percent finer versus the logarithm of particle diameter.

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## STANDARDS

BS 1377-2

## TECHNICAL SPECIFICATIONS

- Rotation Speed: ~50 rpm
- Capacity: Holds 2 gas jars (purchased separately)
- Power Supply: 220-240 V / 50-60 Hz

## ORDERING INFORMATION

Item	Code
MECHANICAL END-OVER-END SHAKER	T251M001T
MECHANICAL END-OVER-END SHAKER [60 Hz]	T251M001K
HYDROMETER SET	T251X00AH
SOIL HYDROMETER - 151 H (0.995 to 1.038 g/ml)	T251P001H
SOIL HYDROMETER - 152 H (-5 to +60 g/lt)	T251P002H
HIGH SPEED STIRRER	T251P003U
TEMPERATURE-CONTROLLED HYDROMETER BATH	T251P004U

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*Keywords: Motorized end-over-end shaker, soil sample agitation equipment, hydrometer analysis shaker, BS 1377-2 compliance, soil particle-size distribution, sedimentation analysis equipment, laboratory soil mixer, fine-grained soil testing, soil homogenization apparatus, geotechnical laboratory equipment*