

END-OVER-END SHAKER (Motorized) (T251M)

Category: General



Product Code: T251M

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- μm 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 standard.
 - 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 or cylinders (purchased separately)
- Power Supply: 220-240 V / 50-60 Hz

ORDERING INFORMATION

Item Name	Item Code
MECHANICAL END-OVER-END SHAKER [60 Hz]	T251M001K
MECHANICAL END-OVER-END SHAKER [50 Hz]	T251M001T
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
HYDROMETER SET	T251X00AH

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