



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

CHARACTERISTIC OPENING SIZE APPARATUS-WET SIEVE OPENING SIZE TESTER-EN ISO 12956-FOR GEOTEXTILE-



Compliance Standards

EN ISO 12956

Applications

To determine the characteristic opening size of a Single layer geotextile or geotextile related products, using the wet sieving principle.

Working Principle

A quantity of graded granular material is spread on the surface of the Geotextile and washed through with water. The geotextile acts as a sieve and the graded granular material, which as soil, passes through the geotextile and is analyzed for available characteristic opening size in geotextile.

Salient Features

1. Suitable to test various geotextile and geotextile related products.
2. Consists of Electromagnetic sieve shaker, Characteristic opening size frame, Spray nozzle, flow control valve as per EN ISO 12956
3. Equipped with spray nozzle to ensure even wetting of the test specimen
4. Equipped with Flow control valve and water Pump arrangement
5. The specimen is placed on the metal grid to avoid excessive deformation of the specimen under the weight of the granular material.
6. Vibrating time is adjustable
7. Digital display of time & amplitude

Note

End user shall have Stop watch, Balance, Drying Oven and Filter paper to perform the entire experiment, which can be procured at extra cost.

Technical Specification

- Clamp holder size : 130 mm Dia
- Vibrating frequency : 50 Hz
- Vibrating amplitude : 0.5 to 3.0 mm
- Jet (Water) pressure : 300 kpa
- Water flow rate : 0.5 liters/min
- Timer Range : 0-99.99 Minutes
- Aperture of support screen : 10 ± 1 mm
- Weight : 100 kgs
- Power Supply : 230 Volts, 50 Hz, Single Phase, AC Supply

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