

Geosynthetics Vertical Permeability Tester

This vertical permeability instrument tests geotextile material. It is designed as a horizontal constant head tester according to JTG E50-2006 requirements.



Overview

Precision Testing for Geosynthetics

The Geosynthetics Vertical Permeability Tester is a specialized horizontal constant head instrument designed for the rigorous evaluation of geotextile material performance. It facilitates precise vertical permeability testing in accordance with the JTG E50-2006 T114-2006 standard, ensuring accurate hydraulic assessment. Built for research and quality control, this device provides reliable data on flow rates and head differences, essential for validating drainage and filtration applications in civil engineering.

Technical Specifications

Maximum Head Difference	250 mm
Holder Diameter	50 mm
Measurable Sample Thickness	0.1 - 20 mm
Head Measurement Accuracy	0.2 mm
Thermometer Range	0-50 ± 0.1
Time Controller Settings	0 - 999.9 seconds (0.1s accuracy)

Physical Dimensions

Dimensions	800 x 650 x 1920 mm
Weight	150 kg

Compliance and Standards

Compliance Standards	JTG E50-2006, T114-2006, CE, ISO 9001:2000
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