

Marshall Stability Tester for Asphalt Mixtures

This precision instrument evaluates the stability and flow value of asphalt mixtures. It features a data acquisition system for recording and analyzing test results, ensuring accurate and repeatable measurements.



Overview

Precision Marshall Stability Testing

The Marshall Stability Tester is a specialized instrument designed for evaluating the stability and flow of bituminous mixtures. It is engineered to determine the breaking point of asphalt samples, ensuring compliance with industry standards for highway engineering. Built for high automation and reliability, this tester is an essential tool for quality control in asphalt manufacturing, road construction projects, and academic research.

Performance Metrics

Measurement Load

0 kN
Load Range

Load Measurement Error	0.05 % (F.S)
Displacement Range	10 mm
Loading Speed	50 ± 5 mm/min

Operational Details

Loading Modes	Manual, Automatic
Power Supply	AC 380V ± 10%, 50 Hz
Max Power Consumption	700 VA

Environmental Conditions

Operating Temperature	-10°C to 35°C
Max Relative Humidity	85 %

Physical Specifications

Dimensions	510 × 560 × 1400 mm
Net Weight	86 kg