

# Marshall Stability Tester for Bituminous Mixtures

This Marshall stability tester determines the stability and flow value of bituminous mixtures. The tester features a load frame with adjustable height and a digital display for real-time readings.



## Overview

### Precision Marshall Stability Testing

The Automatic Marshall Stability Tester is a specialized laboratory instrument designed for determining the breaking point of bituminous mixtures. It is essential for ratio design in asphalt production and critical for quality inspection of road surfaces. Built for accuracy, it features automated testing capabilities and computer connectivity for streamlined data processing and reporting.

## Technical Specifications

### Maximum Load Capacity

**50 kN**

Maximum Load

Stability Measurement Range	40 kN
Vertical Deformation Range	0 - 20 mm
Rising Speed	50 mm/min
Overload Protection	Yes

## Accuracy & Compliance

### Measurement Accuracy

Parameter	Error Limit
Stability	±0.1 kN
Vertical Deformation	±0.05 mm

## Operational Features

### Manual Operation Modes

- Manual Up
- Manual Down
- Manual Stop

Connectivity	RS232 Serial Port, Computer Interface
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## Power & Environment

Power Supply	AC 220V ±10%, 50 Hz
Operating Temperature	0 °C to 60 °C