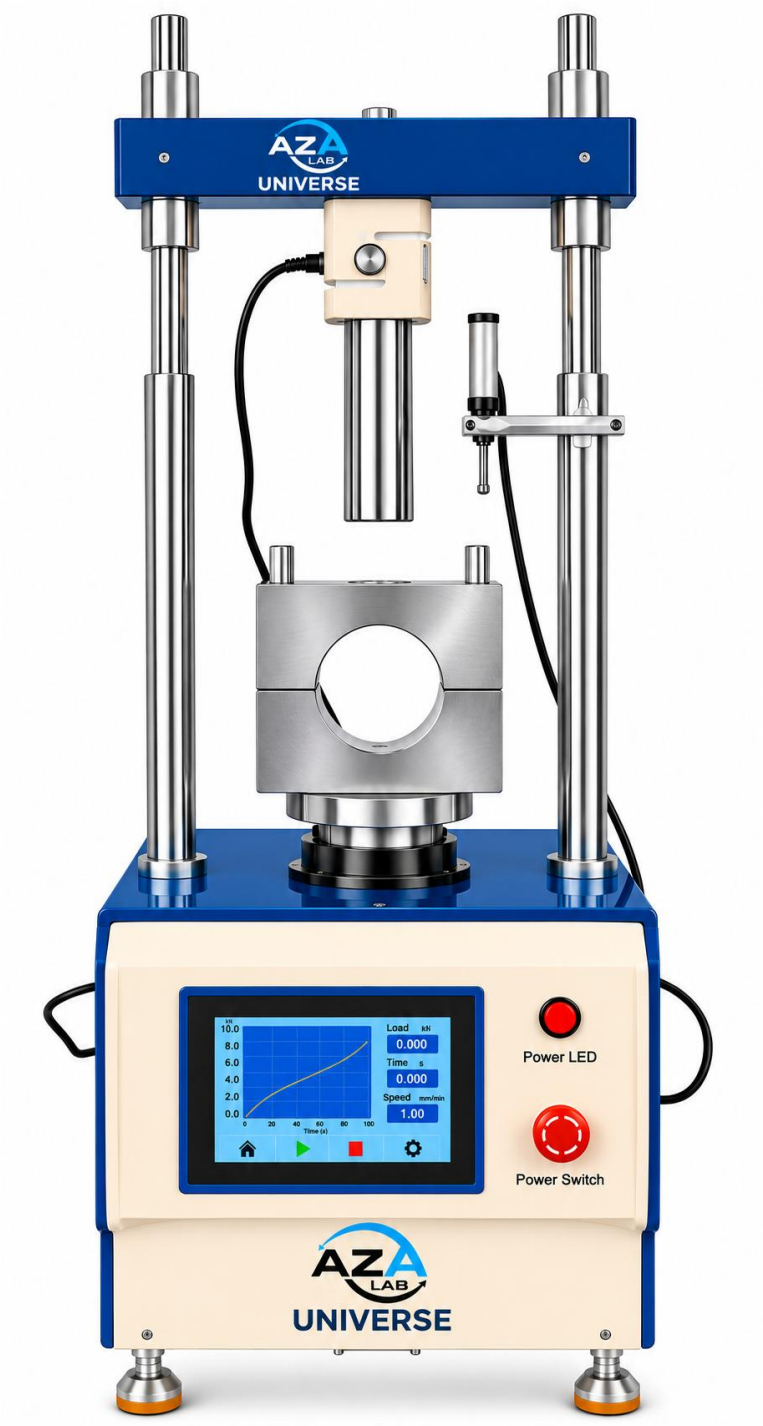
AZA LAB / MATERIAL TESTING EQUIPMENT

MARSHALL STABILITY TESTER

AZA0993 | TECHNICAL DATASHEET



PRODUCT OVERVIEW

The AZA0993 Marshall Stability Tester is a servo-motor-driven laboratory instrument designed to measure the stability and flow of compacted bituminous mixture specimens under controlled loading.

The system provides force measurement up to 50 kN and displacement measurement up to 25 mm, with adjustable platen movement and an integrated printer for recording test results. Suitable for asphalt mix evaluation and quality-control laboratories.

KEY CAPABILITIES

- 50 kN maximum rated load
- Adjustable vertical rising speed: 0.1–50.8 mm/min
- Force and displacement sensing
- Integrated printer
- Servo motor drive: 1.2 kW
- 70 mm platen rise stroke

TECHNICAL SPECIFICATIONS

01 / TECHNICAL PARAMETERS

Parameter	Specification
Measuring range	0–50.00 kN
Maximum rated load	50 kN
Displacement measuring range	0–25.00 mm
Force accuracy (as supplied)	±0.001 kN
Displacement accuracy	0.01 mm
Vertical rising speed	0.1–50.8 mm/min
Platen rise stroke	70 mm
Motor	220 V, 1.2 kW servo motor
Working voltage	AC 220 V, 50/60 Hz
Ambient operating temperature	0–60 °C
Relative humidity	<85%

02 / STANDARD SUPPLY

- Main testing machine with built-in printer
- Built-in force sensor (1 pc)
- Displacement sensor / flow meter (1 pc)
- Marshall pressure head (1 pc)

03 / APPLICATIONS

- Bituminous mixture stability and flow testing
- Asphalt mix design evaluation
- Pavement materials quality control

CONTACT

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