AZA LAB / MATERIAL TESTING EQUIPMENT

AUTOMATIC BITUMEN MIXTURE ASPHALT ANALYZER

AZA1188 | TECHNICAL DATASHEET



PRODUCT OVERVIEW

The AZA1188 Automatic Bitumen Mixture Asphalt Analyzer is a fully automatic system for extraction and separation of asphalt mixtures to determine bitumen content (oil–stone ratio) in pavement materials.

The instrument integrates asphalt extraction with automatic solvent recovery and process control. It is intended for asphalt mixture quality-control laboratories and monitoring of pavement construction materials.

KEY CAPABILITIES

- Fully automatic extraction and separation
- Integrated solvent recovery and reuse
- Extraction capacity of 1,000–3,000 g
- High-speed operation with 5,000–10,000 rpm range
- Specified extraction error of 0.1%
- Designed for asphalt pavement quality monitoring

TECHNICAL SPECIFICATIONS

01 / TECHNICAL PARAMETERS

Parameter	Specification
Model	AZA1188
Product type	Automatic bitumen mixture asphalt analyzer
Extraction capacity	1,000–3,000 g
Extraction accuracy (stated)	0.1% error
Solvent recovery	Automatic; solvent can be reused
Operating ambient temperature	+5 to +50 °C
Supply voltage	380 V ±10%
Total rated power	4 kW
Rotational speed	5,000–10,000 rpm
Overall dimensions (W × D × H)	111 × 100 × 120 cm
Operation	Fully automatic extraction and separation
Application	Bitumen content / oil–stone ratio determination
Performance claim	20–30× faster than traditional extraction

02 / OPERATING FEATURES

• Automatic extraction and separation

• Integrated solvent recovery

• Automatic process control

• High-speed operation

03 / APPLICATIONS

• Asphalt mixture binder-content analysis

• Pavement construction quality control

• Bituminous materials testing laboratories

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