



**ASPHALT BINDER
ANALYZER (ABA)**

ASPHALT

Asphalt Binder Analyzer (ABA)



PRODUCT MODEL

B1510 Asphalt Binder Analyzer (ABA) - 380 V 50 Hz

STANDARDS

Standards ASTM D6307 | EN 12697-39 | AASHTO TP53

INFORMATION

Manufacturer	TESTMAK INS.LAB.MAK.SAN.VE TIC. PAZ. ITH. IHR. LTD. STI
Country of Origin	TURKEY
Product name	Asphalt Binder Analyzer (ABA)

Asphalt Binder Analyzer (ABA)

DESCRIPTION

The TESTMAK Asphalt Binder Analyzer (ABA) is used to determine the binder content of hot mix asphalt/bituminous mixtures by the method of loss on ignition. The system combines a sophisticated furnace and weighing system to continuously measure the weight loss of a bituminous mixture during combustion and automatically calculates its binder content at the end of the test.

Supplied complete with 2 specimen baskets with a safety cover, a carrying tray, a fork to catch the tray, and 3m metal exhaust pipe.

The Asphalt Binder Analyzer is supplied complete with;

- Two Specimen Basket with a Safety Cover
- A Carrying Tray
- Carrying Fork
- 3m Metal Exhaust Pipe

OVEN AND AFTERBURNER

- High efficiency heating system with afterburner chamber for a total combustion of exhaust fumes to minimize emissions to conform with EU Directives
- Sample size up to 4500 g for more representative test results
- Maximum power rating is 10 kW

HARDWARE

- 16 bit microprocessor with one CPU card controlling test data display, temperature, database and internal functions
- Large permanent memory to store test results
- On board 40 column serial printer
- Weighing system 15000 g capacity, 0.1 g resolution and detecting mass variations of $\pm 0,1$ g
- PID closed loop thermoregulation for both oven and afterburner chamber
- 800 °C Afterburner 540 °C oven set temperature according to standard
- TFT touchscreen with 800x480 resolution and 65000 colors

FIRMWARE

- Bidirectional real time communication with the weighing system
- Test setting menu with physical and descriptive sample parameters (initial weight, weight loss percentage, correction factor)
- Calibration menu to check and set the temperature and weight calibration for possible manual control of the test performance
- Test performance menu with simultaneous display of all the test data
- Internal memory for up to 100 tests

SAFETY FEATURES

- Automatic door locking after 150 °C
- Automatic monitoring of closed door before test start

TECHNICAL SPECIFICATIONS

Dimensions	680x1150x1250 mm
Weight	132 kg
Power	380 V 50 Hz 10 kW



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MATERIAL TEST EQUIPMENTS

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