



**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



**TM TEST MAK**  
**MATERIAL TEST EQUIPMENTS**

Telephone : +90 312 395 36 42  
Fax : +90 312 395 36 01

Website : [www.testmak.com](http://www.testmak.com)  
E-Mail : [info@testmak.com](mailto:info@testmak.com)

Koca Sinan Industrial Sites 1183 Street No:  
40 06370 OSTIM / ANKARA / TURKEY