

Product Code

- UTAS-0060-C Asphalt Binder Analyzer (ABA) by the Ignation Method, 380 V, 50 Hz, 3ph.
- UTAS-0065 Metal Stand for UTAS-0060

Standards

EN 12697-39; AASHTO TP53; ASTM D6307

The UTEST ABA Asphalt Binder Analyzer 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 and a carrying tray, a fork to catch the tray, a cooling cage and 3m metal exhaust pipe. The Metal Stand for UTAS-0060 should be ordered separately.

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 4,5 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
- 950 °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

The UTEST ABA Asphalt Binder Analyzer is supplied complete with;

- Double Specimen Basket with a Safety Cover and a Tray
- Carrying Fork
- A Cooling Cage



Double Sample Basket



Dimensions	700x1000x1280 mm
Weight (approx.)	125 kg
Power	4,5 kW