

## Asphalt Binder Analyser

### UTAS-0039

The UTAS-0039 Asphalt Binder Analyser uses the method of loss on ignition to establish the asphalt binder content of hot mix asphalt/bituminous mixtures. The machine includes a furnace and weighing system that continuously measures the weight of the bituminous mixture during combustion. Through this process, the binder content is automatically calculated at the end of the test.

### Oven and Afterburner

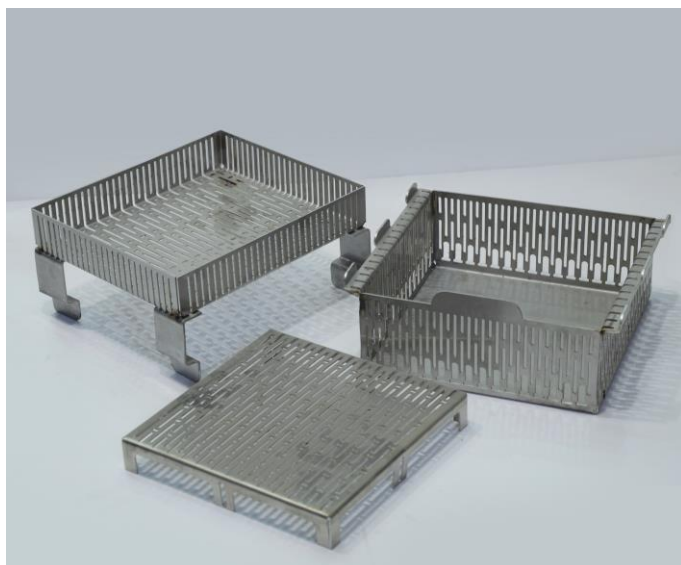
- Exhaust fume emissions are minimized due to the high efficiency heating system which includes an afterburner chamber.
- Sample size up to 4500g for more representative test results
- Maximum power rating is 4.5 kW
- Supplied complete with 2 sample trays, fork to catch the pan and cooling cage

### Safety Features

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

The UTEST ABA Asphalt Binder Analyser is supplied complete with:

- Double Sample Basket with Safety Cover
- Extraction Fork



## Technical Specifications

<b>Dimensions</b>	700x1000x1280 mm
<b>Weight (approx.)</b>	125 kg
<b>Power</b>	4.5 kW

## Hardware

- 16-bit microprocessor with one CPU card controlling both test data display, temperature, database and internal functions
- Test results are stored easily with a large permanent memory
- On board 40 column serial printer
- Weighing system with a 10000g capacity, 0.1 g resolution and  $\pm 0.1$  g repeatability
- PID closed loop thermo-regulation for both oven and afterburner chamber
- 950 °C Afterburner 540 °C oven set temperature according to standard
- TFT touchscreen 800x480 resolution, 65000 colour

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### 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 database for up to 100 tests



### About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

### Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers