



BITUMEN

A.B.A. Asphalt Binder Analyser Ignition Method

PRODUCT CODE

NT-AS0600 Asphalt Binder Analyser (A.B.A.)
Ignition Method. 380V, 50-60 hz. 3 ph.
NT-AS0605 Metal stand for NT-AS0600.

STANDARD TDS

AASHTO TP53, ASTM D6307, EN 12697-39

SPECIFICATION

Asphalt Binder Analyzer (Ignition Method) is engineered to accurately determine the asphalt binder content in hot mix asphalt (HMA) by burning off the binder at high temperatures, leaving behind clean aggregates for precise measurement. This method eliminates the need for hazardous solvents, offering a safer, faster, and environmentally friendly alternative to traditional extraction techniques.



- The apparatus features a high-temperature combustion chamber with a maximum temperature of 600°C, ensuring complete combustion of the asphalt binder.
- An integrated afterburner unit, capable of reaching up to 950°C, effectively reduces emissions by combusting volatile organic compounds released during the ignition process.
- The inner chamber is constructed with high-strength insulating bricks and fiberboard, providing excellent thermal insulation and durability against abrasion and impacts.
- A user-friendly 7" touchscreen control panel displays real-time data graphically, allowing operators to monitor the test progress and results efficiently.
- The built-in weighing system, with a capacity of 5 kg and readability of 0.1 kg, ensures precise measurement of weight loss during the test, facilitating accurate binder content calculation.
- Equipped with a thermal printer, the analyzer allows for immediate printing of test results, enhancing documentation and traceability.
- Supplied complete with 2 specimen baskets with a safety cover with a carrying tray mounted, a fork to catch the tray, and 3 meter 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

SAFETY FEATURES

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