ASPHALT BINDER CONTENT ANALYZER (Ignition Method)

Code : A033



- The 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 4 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.

STANDARDS

ASTM D6307 • EN 12697-39 • AASHTO T308

TECHNICAL SPECIFICATIONS

- Combustion Chamber Maximum Temperature: 600°C
- Afterburner Maximum Temperature: 950°C
- Weighing System Capacity: 4 kg
- Weighing System Readability: 0.1 kg
- Inner Chamber Material: Insulating bricks and fiberboard
- Outer Casing Material: Galvanized steel
- Control Panel: 7” touchscreen display
- Integrated Thermal Printer: Yes

ORDERING INFORMATION

Item Name	Item Code
ASPHALT CONTENT TESTER (Ignition Method)	A033X001U