ASPHALT CONTENT IGNITION OVEN

101-B0050-20

Standard: BS EN 12697-39, ASTM D6307-10, AASHTO T308-10

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The asphalt content ignition oven is a micro controller-based equipment based on the electric ignition oven method for fast and accurate determination of asphalt content. The Asphalt Ignition Oven is a cost effective and environmentally friendly method for the determination of asphalt content using electric ignition method. The asphalt content ignition oven HYRS-6 has an internal electronic balance that automatically monitors the sample weight throughout the ignition process, saving valuable time and increasing productivity. The equipment comprises three parts: combustion device electric furnace, a sophisticated electronic balance for weight measurement integrated with a test control and data processing micro controller unit. All of the data is display in real time on the touch screen controller. Above the furnace chamber is a fumes assembly chamber where the fumes mix with air before being exhausted through the flue

FEATURES

- Using the microcontroller unit and high-precision electronic balance, it is simple and easy not only to use but to maintain.
- Accurate endpoint detection according the pre-set calibration factor. Using new type furnace structure, heating up fast, short test time.
- New design. Furnace and balance accurate position-ing for ensuring the sample centre is located in the middle of balance.

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Technical Specifications	
Maximum Sample	4000g, recommended sample mass 1000-1500g
Max balance capacity	10kg
Weight Detection Readability	± 0.1g
Temperature Control Setting Range	Up to 800°C
Temperature Detection Resolution	1.0°C
Ambient Temperature	≤ 35°C
Combustion Chamber Dimensions	350 x 440 x 330
Dimension (mm)	1080 x 820 x 1850
Approx Weight	260 kg

Microcontroller Unit

The control panel is installed in front of the equipment. Operator can set the test parameter by pressing the buttons and progress the test. While testing, the monitor displays the real-time test data and parameter. Automatically the result paper which will be printed out by the printer is generated by the system after the test.

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