

ASPHALT CONTENT OVEN (ASPHALT IGNITION OVEN)



Compliance Standards

ASTM D6307-98 and AASHTO T308.

Introduction

The Asphalt Content/Binder Furnace with internal automatic balance is an environmentally-friendly and cost-effective method for the accurate determination of asphalt content. Ignition method reduces testing time compared to solvent testing methods and automatic operation frees technicians for other tasks. Accurate internal balance monitors weights automatically throughout ignition. Easy operation—simply enter sample weight, calibration factor, load the sample, and push start, when unit beeps at test end, push stop and sign receipt.



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Technical Specification

- Exterior body : Fabricated from Mild Steel Material
- Exterior Body Paint : Powder coating in attractive shades
- Inner chamber : Constructed from High Temperature resistant fire bricks
- Insulation : High Temperature cera wool insulation
- Insulation thickness : 75 mm (3 Inches)
- Chamber Dimensions : 350 x 440 x 350 mm
- Chamber volume : 55 Liters
- Max weight of specimen : 4500 gms
- Commendatory weight of specimen : 1000-1500 gms
- Capacity of balance : 8 kg
- Precision of balance : 0.1 gms
- Max working temp of chamber : 800 °C
- Standard working temp : 538 °C with tern compensating
- Temperature sensor : R-Type thermocouple
- Temperature Control : 7" Touch screen HMI & PLC Controller
- Ramp & Profile Programming : In built-ramp & profile programming in LCD Touch Screen
- Display : LCD Colour display
- Testing Time : 20-30 minutes
- Results on : In-Built Dot-Matrix Printer
- Power Supply : AC 220 V $\pm$ 10%, 50 Hz
- Current draw : 20 amps max

IGNITION OVEN

Mfg. by :



**Tech-Mech Scientific
Instrument Corporation**

(An ISO 9001 : 2000 Certified Company)

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