Troxler ICO™ NCAT Oven

Asphalt Ignition Oven

The Fastest Burns in the Industry

Complete, Clean Burns—Every Time

Simple to Use

Just follow these five easy steps: (1) heat the asphalt sample, (2) weigh the sample and divide it across two sample baskets, (3) enter the sample mass, (4) place the baskets in the chamber, and (5) close the door and press a button to begin the test.

Efficient

Extremely fast warm-up (only twenty minutes) and recovery times ensure quick, complete burns. The typical burn time for a 1200 gram sample is twenty minutes or less (at 240 VAC).

Instant Results

An integrated weighing system continuously measures the bituminous loss during combustion, and the oven displays the percent of asphalt in the mix when the burn is complete. You can then sieve the remaining aggregate for gradation analysis.

ASTM and AASHTO Compliant

The oven uses the NCAT ignition method and fully meets and complies with ASTM D6307 and AASHTO T 308.

Superior Serviceability

Maintenance is simple and straightforward. Removable panels allow easy access to all components and assemblies.

“ Troxler’s ICO NCAT Oven performs at a high level of quality, and we are very satisfied with our investment. ”

McClelland Consulting Engineers, Inc.

TROXLER®
The Leader in Construction Testing Equipment

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Additional Features

- A small footprint makes the oven portable and ideal for on-site labs.
- The unit's sturdy construction includes an unbreakable steel hearth plate.
- You can use up to three nested sample baskets for high-mass samples.
- The oven is able to incinerate rubber additives and polymer modified binders.
- Low emissions eliminate the need for an afterburner or filters.
- No solvents are necessary.
- An internal printer provides printing capability.
- Upgradeable software ensures a future-proof solution.
- The unit is delivered fully assembled.

Technical Specifications	
Maximum Sample Size	2500 g per sample pan (5000 g total)
Integrated Scale Resolution	0.1 g
Burn Time for 1200 g	Approximately twenty minutes (at 240 VAC)
Internal Memory Capacity	Sample data: 200 samples Project IDs: twenty Aggregate correction factors: twenty
US Standards	ASTM D6307, AASHTO T 308
Mechanical Specifications	
Outside Dimensions (L x W x H)	24 x 31.5 x 35 in (60 x 80 x 89 cm)
Chamber Dimensions (L x W x H)	13 x 19.7 x 12 in (33 x 50 x 30.5 cm)
Sample Pan Dimensions (L x W x H)	8 x 14.5 x 2.5 in (20.3 x 36.8 x 6.3 cm)
Complete Pan Assembly Dimensions (L x W x H)	9.4 x 15.5 x 6.5 in (23.8 x 39.4 x 16.5 cm)
Weight	160 lb (72.7 kg)
Electrical Specifications	
Power Source	208/240 VAC 50 to 60 Hz
Current	26/30 A
Peak Power Consumption	5408/7200 W
Other	
RS-232 C Configuration	Data Terminal Equipment (DTE)
Serial Data Format	Eight data bits, two stop bits, no parity
Baud Rate Range	600 to 9,600 baud
Liquid Crystal Display	Four lines, twenty characters per line
Keypad	Twenty-five-key sealed membrane

Made in USA

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