

Troxler NCAT NTO

Advanced Asphalt Ignition Oven Models 4730 and 4731



Advanced Asphalt Ignition Oven for Determining Asphalt Content

Introducing Troxler's patented infrared-based advanced NCAT oven for determining asphalt content in hot-mix asphalt

ASTM and AASHTO Compliant

The NCAT NTO Models 4730 and 4731 fully meet and comply with ASTM D6307 and AASHTO T-308 standards and are accepted by State DOTs.

Integrated Weighing System

The NCAT NTO features an integrated weighing system that continuously measures the bituminous weight loss during combustion and automatically displays the percent of asphalt in the mix. The remaining aggregate can be sieved for gradation analysis.

Simple Procedures

The NCAT NTO is simple to use. Just follow these steps: 1. Heat the asphalt sample to be used, 2. Weigh the sample, 3. Spread the asphalt across two sample baskets, 4. Place the baskets into the heated NTO chamber, 5. Enter the sample mass, 6. Close the door and press START to begin the test. The built-in scale continuously weighs the sample so the NTO can report mass loss and %loss.

Special Burn Profiles

The NCAT NTO has the ability to control the burn sequence during every minute of a burn cycle. By testing a broad cross section of asphalt mixes, Troxler has developed a series of burn profiles which allow the operator to fine-tune each burn based on aggregate types of mixtures.

No Temperature Correction Factors Needed

The NCAT NTO uses a proprietary design that eliminates the need for a temperature correction factor.

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Additional Features

- Low Emissions without the necessity of an afterburner or filters
- Infrared technology provides a more efficient and complete mixture burns
- Portable: weighing only 63.5 kg (140 pounds) with a small foot print, ideal for on-site labs
- Upgradeable software provides you with a future proof solution
- Easy to clean
- No solvents necessary
- Lowest power consumption in the industry
- 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	120 VAC unit (Model 4730): Approximately 25 minutes 240 VAC unit (Model 4731): Approximately 20 minutes	
Internal Memory Capacity	Sample Data: 300 Samples Project IDs: 20 Aggregate Correction Factors: 20	
Standards	ASTM D6307, AASHTO T308	
MECHANICAL SPECIFICATIONS		
Outside Dimensions	66 W x 68.6 D x 54 H cm (26 W x 27 D x 21.7 H in.)	
Chamber dimensions	28 W x 43.2 D x 20.3 H cm (11 W x 17 D x 8 H in.)	
Sample Pan Dimensions (each)	20.3 W x 36.8 D x 5.0 H cm (8 W x 14.5 D x 2 H in.)	
Complete Pan Assembly	23.8 W x 39.4 D x 12.2 H cm (9.4 W x 15.5 D x 4.8 H in.)	
Weight	63.5 kg (140 lbs)	
ELECTRICAL SPECIFICATIONS		
	Model 4730	Model 4731
Power Source	120 VAC 50/60 Hz	208/240 VAC 50/60 Hz
Current	12 Amps	12/13 Amps
Peak Power Consumption	1400 W	2496/3120 W
OTHER		
RS-232 C Configuration	Data Terminal Equipment (DTE)	
Serial Data Format	8 data bits, 2 stop bits, no parity	
Baud Rate Range	600 to 9,600 baud	
Liquid Crystal Display	4 Line x 20 Character	
Keypad	25-Key Sealed Membrane	

Made in USA



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