



## ABA - Asphalt Binder Analyser

### General Information

The ABA 7/35B is designed to measure the asphalt binder content of hot mix asphalt as well as warm mix asphalt using loss on ignition, in accordance with AASHTO T 308-10, ASTM D6307-10 & BS/EN 12697-39:2012.

The integral microprocessor driven weighing and calculation system is flexible enough to handle local variations upon the standard test method. Test result reports are available in both printed and software format. The high temperature afterburner minimises the production of noxious fumes. Supplied complete with 2 sets of sample baskets



### Standard Features

- Designed to measure asphalt binder content by loss on ignition
- Fully compliant with the latest standards, including: AASHTO T 308-10, ASTM D6307-10, & BS/EN 12697-39:2004
- Avoids the health, environmental & waste management issues & expense associated with the older solvent extraction methods
- Reduced emissions due to high temperature afterburner
- Controlled via a multi-lingual touchscreen interface
- Supplied as standard with English, Spanish, French, Chinese, Italian & Russian language & other options available to order
- Automatic calculation of final sample weight & binder % result
- Automatic capture & incorporation of the defined correction factors
- Adjustable aggregate correction factor
- Precise weight measurements displayed to 0.1 g resolution
- Has the capacity for large sample sizes for more accurate results (maximum sample is 4.5 kg)
- Average test times from 20 mins for 6 mm aggregates, to 45 mins for 40 mm aggregates
- Permanent (dot-matrix) printed reports with user configured timing
- USB data output compatible with most spread sheets
- Easy naming, storage & recall of recipes that can be easily transferred between ovens
- Simplified menu structure with secure 'Supervisor' & 'Operator' settings

### Options

- Factory fitted thermocouple access port
- 'Flat pack' floor stand
- Sample cooling stand
- Additional sample baskets
- Touchscreen protection film
- Gloves
- Face shield

### Technical Specifications



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Max temp (°C)	750
Dimensions: Internal H x W x D (mm)	220 x 350 x 450
Dimensions: External H x W x D (mm)	980 x 600 x 775
Configuration	Bench-top or optional stand
Thermocouple type	K
Weight (kg)	120
Max power (W)	8000

#### **Please note:**

The oven is rated at 8kW for operation on 208/240V, 50/60Hz single or three-phase supply. Please state mains supply when ordering.  
Holding power is approximately 3kW