

Asphalt Binder Analyser - ABA

General Information

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

The integral microprocessor controlled weighing and calculation system is configurable to allow variations to the standard asphalt binder test method. Test result reports are available in both printed and software format. The high temperature afterburner minimises the production of noxious waste fumes. The asphalt binder analyzer is supplied complete with 2 sets of sample baskets.



Standard features

- General
- Simple to navigate 5.7" touchscreen control with secure Supervisor & Operator settings
- Avoids the health, environmental & waste management issues & expense associated with the older solvent extraction methods
- Best in class afterburner technology reduces emissions
- 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
- Software
- Automatic calculation of final sample weight & binder % result
- Adjustable aggregate and hot mix asphalt correction factors
- Multi-lingual interface: English, Spanish, French, Chinese, Italian & Russian language display. Other languages are available to order
- Easy naming, storage & recall of recipes that can be transferred between ABA 7/35B units
- Precise weight measurements displayed to 0.1 g resolution
- Hardware
- USB data output and permanent (dot-matrix) printed reports
- Fail safe door lock system
- Sample trays guided and loaded onto robust stainless steel balance pan extension within the chamber
- High thermal efficiency insulation material with robust refractory brick door surround
- Double skin case construction for cool outer case
- Woven glass fibre door seal with stainless steel wire reinforcement

Options (specify these at time of order)

- Floor stand
- Sample cooling stand
- Additional sample baskets
- Metal waste gas extraction pipe
- Touchscreen protection film
- Gloves

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- Face shield
- Factory fitted thermocouple access port, if temperature calibration is to be carried out

Technical Specifications

ABA 7/35B

| | |
|--|-----------------|
| 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 |
| 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