IPC global® | CONTROLS GROUP

ADVANCED PAVEMENTS TESTING SYSTEMS

BITUMAX

Asphalt Binder Analyzer by Ignition Method

Main Features

- Fully automatic test cycle with simultaneous display of all test parameters, including weight loss and percentage
- Highly efficient heating system with additional afterburner for complete combustion of exhaust fumes, conforming to CE requirements
- PID closed-loop temperature control
- Built-in weighing system
- Reduced test time of 30-40 minutes
- Test performance menu comprizing the simultaneous display of all test data
- Internal database stores up to 100 tests. Each test can be displayed and printed or sent to a PC via the RS232 port.

Standards EN 12697-39 | ASTM D6307 | AASHTO TP53

The Asphalt Binder Analyzer is a high precision apparatus combining an ignition oven with a continuous weighing system that monitors the loss of weight of the asphalt sample and automatically determines, at the end of the test, the binder content and percentage. An independently controlled auxiliary afterburner chamber significantly reduces the furnace emissions.
The Analyzer is supplied complete with a double sample basket, safety cover, extraction fork and 3 meters of metal exhaust ducting.

Technical specifications

Oven and afterburner

- Highly efficient heating system with afterburner for total combustion of fumes to minimize emissions in accordance with CE requirements
- No need for filters or hoods = low maintenance costs
- Sample sizes up to 4,500 g for a more representative test result
- Maximum power rating: 10 kW
- Holding power during the test: 3.5 kW
- Supplied complete with double sample tray, fork to handle the pan, cooling cage and 3 m of exhaust ducting

Hardware

- Large permanent memory to store test results
- On-board 40-column serial printer
- Weighing system: 10,000 g capacity, 0.1 g resolution, ±0.1 g repeatability
- Closed-loop PID thermo-regulation for both oven and afterburner
- 240 x 128 pixel large graphic display
- RS232 output for PC connection

Firmware

- Language selection
- Clock/calendar
- Bi-directional real-time communication with the weighing system
- Test setting menu, complete with physical and descriptive sample parameters
- Calibration menu for temperature and weight
- Optional manual control of test performance
- Test performance menu with simultaneous display of all test data
- Internal database for up to 100 tests. Each test can be sent to PC, displayed, printed or deleted
- Possibility to connect an external balance for automatic weight input (see accessories)

Safety features

- Door is automatically locked during the test, even if the power is interrupted
- Door closure is automatically monitored before the test starts

Overall dimensions: 590 x 830 x 973 mm (w x d x h)
Weight: approx.: 125 kg

Ordering information

75-PV0008

BITUMAX Asphalt Binder Analyzer by ignition method. Complete with double sample basket/safety cover, extraction fork and 3 meters of metal exhaust ducting. 380 V, 50 Hz, 3 ph.

75-PV0008/Z
As above but 220 V, 60 Hz, 3 ph.

Example of printed report

Accessories

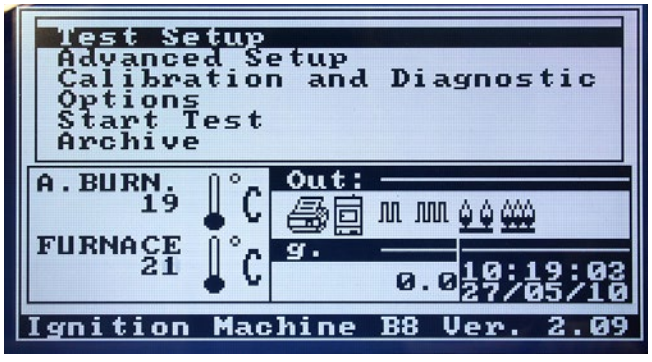
75-PV0008/5
Metal stand for 75-PV0008

75-PV0008/10
Face shield for 75-PV0008

75-PV0008/12
Safety cover for sample basket

75-PV0008/14
Additional double sample basket

75-PV0008/2
Auxiliary top pan digital balance, 10,000 g capacity, 0.1 g sensitivity, for connection to Asphalt binder analyzer 75-PV0008 via the RS232. 230 V, 50-60 Hz, 1 ph.



Test set-up

Metal stand 75-PV0008/5, safety visor 75-PV0008/10 and exhaust ducting (supplied with the machine)

Extraction fork (supplied with the machine)

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At IPC Global we are proud of our products.

We are dedicated to supplying high quality, accurate, affordable, easy-to-use systems for Advanced Testing of asphalt, binders and other pavement materials.

As a valued customer of IPC Global you will receive continuous, expert support and advice for your instrument. Furthermore, we offer full installation and training in the correct operation of your IPC Global equipment.

For support from our expert Customer Care Team, contact your local IPC Global-Controls office/distributor or email **ipcglobalsupport@controls-group.com**.

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