

Blaine

Blaine Permeability Apparatus

BSA1



The Blaine apparatus is used to determine the specific surface area of cements, as well as other powdery products.

Definition and principle:

The method applied determines the fineness of cement (or other products), by measuring the elapsed time for a given quantity of air to pass through a compacted bed of cement.

Features:

- Complying with EN 196-6 standard procedure
- Microprocessor controlled electronics
- Temperature measuring close to the sample
- Tests of various sample porosities can be done (2 ,, 0.5)
- Connection to direct output on a printer
- Connection to a PC possible for parameter setting and using the results via RS 232 and RS 485 link

Operation procedure:

- All parameters, such as the type of cement, operator's identification, are typed via the front keyboard
- The built in database calculates and displays the sample mass required according to its density
- Prepare the sample and place into cell position
- The liquid rises in the tube and the cycle starts
- The time difference between the two marked levels is automatically recorded at 1/50 s
- Calculation and possible temperature correction will takes place automatically and the results expressed in **Blaine unit (cm²/g)** are displayed
- Audio signal marks the end of the test
- The readout as well as the associated parameters are stored in the memory
- Printout if required



Simplicity:

- Built-in database
- Calculation of the mean value over several tests
- Display by pull-down menu
- Blaine tube easily interchangeable

Quality:

- No intervention by the operator on the measuring
- No mistake in using the nomographs
- No errors on measuring the time
- After 1000 tests (standard 196-6) the device tells you when you have to re-calibrate the instrument
- Access to calibration menu by password
- You can visualize the test continuously to check levels

Specifications:

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|--------------------------|----------|
| - Watt-hour consumption: | 20 W |
| - Dim. lxhxd: | 35x40x30 |
| - Net weight: | 15 kgs |