Product name:	Product code:
Air Permeability Blaine Apparatus for Cement Fineness	CMI-IND-0031

Description

Digital Blaine air permeability apparatus that measures the specific surface area of cement and fine powders by timing air flow through a compacted bed. Used for fineness control in cement grinding plants.

Technical specification

- Permeability cell with plunger
- Filter paper discs
- Reference cement sample

A fixed volume of air is drawn through a compacted cement bed in a precise cell, and the time taken for the manometer liquid to travel between marks gives the Blaine fineness. The digital version times the flow automatically for consistent results. It is a daily instrument in cement mill labs.

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Features

- Digital timing with optical sensors on U-tube
- Standard permeability cell and plunger
- Automatic manometer pressurization
- Test cell made of stainless steel
- Supplied with perforated disc and filter paper

Technical Specifications

Cell inner diameter	12.7 mm +/- 0.1 mm
Bed height	Set by plunger collar, approx. 15 mm
Fineness range	150 to 700 m2/kg
Timing resolution	0.01 second
Manometer liquid	Dibutyl phthalate or mineral oil
Standards	IS 4031 Part 2, ASTM C204, EN 196-6
Power supply	230 V AC, 50 Hz

Standard Accessories