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LIME REACTIVITY TEST APPARATUS - EN 459-2, ASTM C110



Compliance Standards

EN 459-2, ASTM C110, ASTM C91, ASTM C5

Applications

Specifically used to measure the slaking or hydration rate of quicklime (calcium oxide) when it is mixed with water. The slaking process is exothermic, and the apparatus typically measures the temperature rise over time to determine how quickly the lime reacts.

Details of apparatus

Consists of following parts and accessories

1) Mechanical Stirrer : Fitted with a special stainless stirring rod, the end of which is formed into a loop to follow the contour of the reaction container as per EN 459-2 Standard. With Digital RPM Indicator and speed controller. RPM of the Instrument will be from 50-600 RPM. Power supply : 230 volts, 50 Hz, Single Phase, AC Supply.

2) Modified Dewar Flask : Capacity 1000 ml fitted with Special rubber/Teflon gasket cover

3) Digital Thermometer : 0° to 199° C x 0.1° C with temperature measuring probe

4) Complete with **base and stand**

Essential accessories at extra cost to perform the complete experiment as per ASTM C110 & EN 459-2 Standard

1. Hot air oven
2. Electronic balance of 220 gram capacity x 1 mg accuracy
3. 3.35 mm & 2.36 mm Sieves

Technical Specification

- Weight (Approx) : 21 kg
- Overall Dimensions : 825X400X250 mm approx

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