

Calorimeter for Cement and Concrete -Heat of Hydration Apparatus

Make: LabTek

Model: SUN-CL-021

Origin: India

Standards: EN 196-8, ASTM C 186, BS 4550

The Solution Calorimeter for Cement and Concrete is an instrument used to analyze the setting behaviour of building materials such as cement and mortar. It is able to determine the rate of heat generation with respect to time with the rigid control of a computer control system.

Special Features of the Solution Calorimeter for Cement and Concrete:

Fully-automatic test procedure

Evaluation and documentation of test results via computer

Rigid, durable measuring instrument for industrial and laboratory use

Simple operation

Self-calibrating

Specifications for the Solution Calorimeter for Cement and Concrete

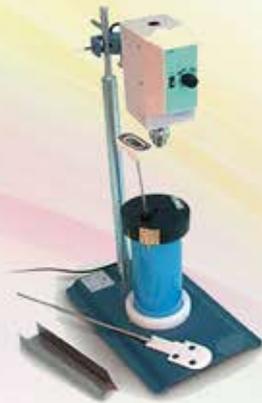
Consists of a Dewar vessel, which is located in an insulation wooden box, an electrically driven stirrer with constant speed and a funnel. (Dewar vessel can be easily removed from the wooden box and replaced.)

Dimensions: 350 x 250 x 680 mm

Weight: 15 kg

Power: 230V / 50Hz

Does not include: Thermometer and stirring rod



Reactivity test apparatus

Make: LabTek

Model: SUN-CL-022

Origin: India

Standards: EN 459-2

Ground quicklime shall be tested for their reactivity with this apparatus which consists essentially of a Dewar vessel, 1000 ml cap., stirring motor, calibrated thermometer, stand and accessories.

Two versions are available:

supplied with digital thermometer

with advanced datalog thermometer, temperature probe, serial cable for PC connection and dedicated software for download data

Dimensions, approx.: 350x300x800 mm

Weight approx.: 9.5 kg

Bulk density apparatus Cement

Make: LabTek

Model: SUN-CL-023

Origin: India

Standards: ASTM C191, ASTM C110

This apparatus is used for the measurement of the apparent density (bulk density) of powders and non-cohesive materials. It consists of sieve funnel with tripod, a 1 litre capacity unit weight measure, spatula, straight edge and an aluminium scoop.

Dimensions: 350mm diameter x 520mm, with an 8mm diameter funnel discharge hole.

Weight: 5 Kg



Flow cone apparatus

Make: LabTek

Model: SUN-CL-024

Origin: India

Standards: EN 445 | NF P18-358 | NF P18-507

Used for determining the flow properties of mortars, grouts, muds and many other type of fluid materials. The apparatus comprises a metal stand supporting the stainless steel cone having inside dimensions of 150 mm inside upper dia. x 280 mm height. When fit with the 10 mm nozzle the total height is 350 mm. The apparatus, as prescribed by EN 445, is supplied complete with 150 mm dia. sieve 1.5 mm opening, 10 mm dia. nozzle with fitting bush and 1 liter cap. cup. It can also be fit with other nozzles 8, 9, 11, and 13 mm int. dia.