

Blaine fineness apparatus

Make: LabTek

Model: SUN-CL-014

Origin: India

Standards: EN 196-6 | ASTM C204 | AASHTO T153

Used to determine the particle size of Portland cement, limes and similar powders expressed in terms of their specific surface. It consists of a stainless steel cell, perforated disc and plunger. An U-tube glass manometer is fit to the steel stand.

The set is supplied complete with rubber aspirator, pack of filter paper and thermometer.

Two versions available: EN and ASTM/AASHTO which differ one to the other for the cell and plunger dimensions which are slightly different.

Overall dimensions: 220x170x470 mm

Weight approx.: 8 kg



Bulk density of cement

Make: LabTek

Model: SUN-CL-015

Origin: India

Standards: EN 459-2

Used to determine the bulk density of cement as specified by the "Commission des méthodes d'essai des matériaux de construction". It consists of a sieve funnel, an unit weight measure 1 litre capacity, a tripod, and straightedge.

Overall dimensions: 350x350x520 mm

Weight approx.: 3 kg

Automatic Vicat apparatus

Make: LabTek

Model: SUN-CL-016

Origin: India

Standards: EN 196-3, 13279-2, 480-2, ASTM C191, C187

LabTek have long tradition in manufacturing automatic setting time testers for cement and mortar. A new generation, the third one, is now available. The new machine has been completely redesigned based on the innovative CVI-TECH philosophy. As with the older generations the test procedure is unchanged, a needle (or a probe) drops freely into a cement sample at regular intervals and in fixed positions. Penetration depth is measured by a sensor with 0,1 mm resolution. Along with hardening process development the penetration depth decreases, when it matches some thresholds pre-defined by Standards initial and final setting times are measured and recorded.

Technical specifications

Conforming to EN 196-3, 13279-2, 480-2, ASTM C191, C187

Large size 4,3" touch screen color display

LAN port for direct connection to PC of a single unit or connection to a LAN hub for creating a network with up to 32 independent units all controlled by a single PC. 1 LAN cable is included

USB port for data storage on pen-drive (included)

Test procedures can be customized and stored to match user-defined requirements

Can incorporate an integrated graphic printer showing test result and setting time plot

Large test space with easy accessibility

Automatic calculation of initial and final setting time at programmable penetration depth limits

Wide range of accessories including EN and ASTM/AASHTO parts, in-water testing kit, needle cleaning device, integrated printer, probes for testing consistency and gypsum

Minimum penetrations rate: 10 seconds

Penetration measurement by encoder

Power: 50 W

Dimensions: 200x400x410mm (L x W x H)

Weight approx.: 10 kg

Easy programming of customized test profiles, recallable for future tests, including: adjustable test start delay

penetration points positions

manual or automatic penetration rate



free or driven dropping mode

holding intervals inside the sample

automatic end- test detection

automatic measurement of initial and final setting time

Test data: test number, operator, client, date, hour,

cement type, water percentage, delay

Easy calibration menu

Clock calendar

Multi-language