

AUTOMATIC VICAT APPARATUS 63-L3000

STANDARD: AASHTO T131 EN 196/3 ASTM C191 ASTM C187

The Automatic Vicat Apparatus 63-L3000 provides a completely automatic method for determining the initial and final setting time of cements or mortar pastes. Advanced electronics technologies provide superior performances and total flexibility. The Automatic Vicat Apparatus 63-L3000 is easy to operate and accurate in test results, can be an ideal helper in your experiments.



- **AUTOMATIC POSITION CALIBRATION**
Fully automatic, one-key operation, automatic accurate position calibration;
- **POSITION STORAGE**
After the position calibration is completed, it will be stored in memory, no need to repeat the calibration
- **AUTOMATIC TEST PROCESS**
One-key operation, automatic penetration measurement, and automatic lifting of components after completion;
- **INTELLIGENT TEST CONTROL**
The penetration displacement value is displayed in real time, no need for frequent visual inspection during the test;
- **NO NEEDLE REPLACEMENT FOR INITIAL AND FINAL SETTING TEST**
The initial and final setting test needles are shared, reducing costs and workload;
- **INTELLIGENT JUDGMENT OF RESULTS**
Automatically judge the result data according to the requirements of the test specification, and prompt the operation;
- **DATA REPORT STORAGE**
Test data is automatically made into charts and stored; equipped with RS485 communication and USB port.

TECHNICAL PARAMETERS

Time control	Time display resolution: 0.1S Time control accuracy: $\pm 0.1S$
Displacement	Using high-precision LVDT displacement sensor, split structure, no friction when the needle falls. Range: 0-50mm Displacement display resolution: 0.01mm Relative displacement accuracy: 0.1mm
Data storage	200 sets
Slide assembly	300g \pm 1g (including test rod/test needle), meets the requirements of the standard;
Interface	RS485 data output interface USB data export interface
Accessories	Supporting glass plate $\Phi 10$ mm Consistency plunger $\Phi 1.13$ mm needle and $\Phi 70/80$ mm conical mould to EN ($\Phi 1$ mm needle and $\Phi 60/70$ mm conical mould to ASTM/AASHTO optional)
Dimensions	390mm x 310mm x 575mm (length x width x height)
Power supply	220 \pm 10%VAC/50Hz; maximum 40W



SINCE 2006

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