



## Product Code

**UTCM-0550E** Automatic Vicat Apparatus (VICAMATIC-3) EN, 110-240 V 50-60 Hz, 1ph

**UTCM-0550A** Automatic Vicat Apparatus (VICAMATIC-3) ASTM, 110-240 V 50-60 Hz, 1ph

## Standards

EN 196-3, 13279-2, 480-2; ASTM C191, C187; AASHTO T131

The setting time determination of cement/mortar/gypsum is one of the most important parameter for the quality inspection and verification.

The new generation automatic setting time tester is now available, featuring a large color 5.1" touch screen display, a needle (or a probe) drops freely into a cement sample at regular intervals and in fixed positions.

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.

## Main Features

- Advanced electronics technologies providing superior performances and total flexibility combined with simplicity in use
- Easy-to-use double interface: local mode, with large size 5,1" touch screen color display and remote mode with PC
- Supplied complete with PC software for data processing VICASOFT-BASIC
- With PC software VICASOFT-PREMIUM (optional) up to 32 independent units (including VICAMATIC 2 models) can be connected to a single PC via LAN port and hub. All units are remotely controlled. Adopting the multi-test network concept laboratory productivity is maximized
- Integrated graphic printer is available as optional accessory showing both results in numerical format and setting time plot
- Easy setting and storage of user-defined test profiles allowing quick test start
- Large accessibility to the test space
- Complete with needle cleaning device
- Practical in-water testing accessory (optional)
- Automatic determination of initial and final setting time
- Penetration depth is measured by a sensor with 0,1 mm resolution.

UTCM-0550E is supplied complete with EN 196-3 accessories: initial setting time needle 1.13 mm dia., mould and PC software VICASOFT-BASIC.

UTCM-0550A is supplied complete with ASTM C191 accessories: setting time needle 1.00 mm dia., mould and PC software VICASOFT-BASIC.

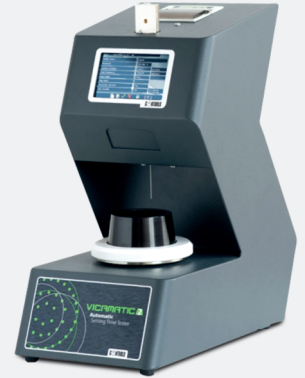
Other accessories should be ordered separately for the tests.

## Technical Specifications

- Conforming to EN 196-3, 13279-2, 480-2, ASTM C191, C187
- 5.1", 800 x 480 pixel, 16 M colors, icon-driven touchscreen graphic display, showing data and plots
- 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 download to PC and easy firmware upgrade
- Unlimited storage capacity for test data on internal 16 GB SD card
- 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

## Firmware Specifications

- 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



Dimensions	200x400x410 mm
Weight (approx.)	10 kg
Power	50 W