

VICAMATIC

**Automatic setting time tester for
cement, mortar and gypsum**

STANDARDS

EN 196-3, EN 480-2, EN 13279

ASTM C191

AASHTO T131

- > New functional and ergonomic design based on the innovative CVi-TECH philosophy invented by CONTROLS through the recent years
- > Advanced electronics technologies providing superior performances and total flexibility combined with simplicity in use
- > Double interface: local mode, with large size 4,3" 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 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
- > Automatic determination of initial and final setting time



The new generation of fully automatic setting time tester with double control mode (local and remote by PC), programmable test procedure, user friendly interface, integrated graphic printer

CVi TECH CUSTOMER'S VALUE
DRIVES THE INNOVATION

» CONTROLS 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.

Following the CVi-TECH philosophy the new VICAMATIC-2 features superior functionality and value for the user, for example easy-to-use interface and

software, high productivity, large accessibility to the test space, expandability over time. The adoption of the latest electronics technologies, including a readable color touch screen display, brings great accuracy, reliability and the possibility to create a network with up to 32 independent units all controlled by a single PC through LAN hubs.

Every details have been redesigned and improved based on our specialization in the field and following the advices received from our clients around the world. See for example the large accessibility to the test space, the practical in-water testing accessory, the size and position of the touch screen display, the test menus offering advanced functions but easy to navigate, the large use of icons and graphic symbols made possible by the high resolution display.



Detail of the new needle cleaning device. Functionality is substantially improved respect older versions following suggestions received from end-users



Detail of communication ports : LAN port and USB port



A typical plot of a test result obtained with the integrated printer model 65-L2700/E13 including setting time diagram and readings



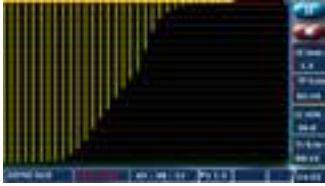
The new ergonomic design delivers great functionality and large accessibility to test area

Communication ports are positioned on the rear side. LAN port is suitable for connection to PC or to LAN-hub, that creates a network with up to 32 independent units controlled by a single PC. USB port is used for data storage on pen drive



intuitive + smart software

Display Screenshot



Setting time plot shown in real time on VICAMATIC-2 display



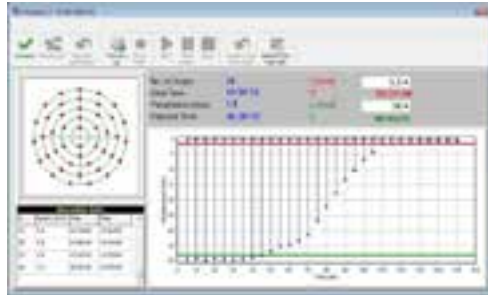
User menus have been optimized with large use of icons and graphics symbols making use very simple



Typical screenshot of test profile set-up

PC Software **VICASOFT-PREMIUM**

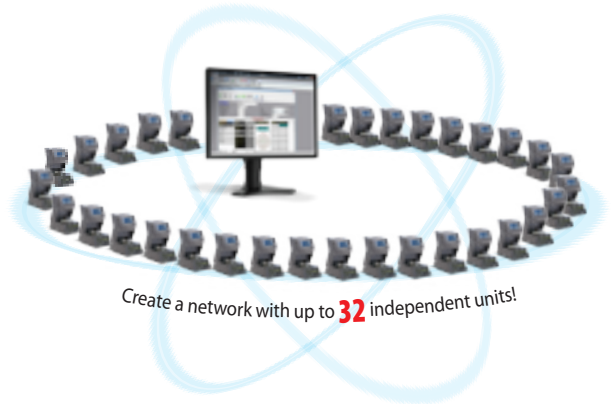
The new PC software VICASOFT-PREMIUM has been totally rewritten giving top priority to the clarity of the interface and its user-friendliness.



Typical setting diagram shown by the VICASOFT-PREMIUM PC software



VICASOFT-PREMIUM, creation of a user defined test profile, easy recallable for future tests



Technical specifications

- 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 removable pen-drive (included)
- Conforms both EN and ASTM/AASHTO test procedures
- 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
- Power: 50 W
- Dimensions: 200 x 400 x 410 mm, (L x W x H)



Ordering information

63-L2700/E

VICAMATIC-2, automatic electronic apparatus for setting time test on cement/mortar/gypsum. Complete with EN 196-3 accessories: initial setting time needle 1.13 mm dia., mould and PC software VICASOFT-BASIC. 230V, 50-60Hz, 1ph.

63-L2700/F

VICAMATIC-2, automatic electronic apparatus for setting time test on cement/mortar/gypsum. Complete with ASTM C191 accessories: initial setting time needle 1.00 mm dia., mould and PC software VICASOFT-BASIC. 230V, 50-60Hz, 1ph.

63-L2700

VICAMATIC-2, automatic electronic apparatus for setting time test on cement/mortar/gypsum complete with PC software VICASOFT-BASIC. Supplied without accessories. 230V, 50-60Hz, 1ph.

The above apparatus are also available with voltage 110 V, 60 Hz, 1F, ordering numbers are respectively: 63-L2700/EZ, 63-L2700/FZ and 63-L2700/Z

Spare parts

63-L2700/E20	1,13 mm dia. needle for initial setting time test to EN
63-L2700/E21	1 mm dia. needle for setting time test to ASTM/AASHTO
63-L0027/E22	Plastic mould to EN
63-L0027/E23	Plastic mould to ASTM/AASHTO
63-L2700/E24	Glass base plate
63-L2700/E25	Spare base plate for in-water testing kit

Accessories

63-L2700/E10	Accessory for needle cleaning and in-water testing
82-SW/VS	VICASOFT-PREMIUM software for PC connection of up to 32 VICAMATIC-2 units including remote control of each unit, data acquisition - processing - filing, printout of test reports. Communication via LAN port (each VICAMATIC-2 unit is supplied complete with LAN cable). The connection of one VICAMATIC-2 unit is direct via the PC LAN-port, for more VICAMATIC-2 units (up to 32) one or more LAN hubs are required with total number of ports equal (or bigger) to the number of VICAMATIC-2 units included in the network. LAN hubs are not included
63-L2700/E11	LAN hub for PC connection of up to 7 VICAMATIC-2 units or up to 6 units in case of multi-hub network. LAN cable from hub to PC is included. Each VICAMATIC-2 unit is supplied complete with LAN cable
63-L2700/E13	Upgrading of a VICAMATIC-2 unit for incorporating a graphic printer into the head. Test settings and results are plotted both as numerical and graphical format including penetration depth/time diagram. The upgrading shall be factory installed
63-L2700/E14	Needle for final setting test to EN
63-L2700/E15	Cylindrical probe for consistency test
63-L2700/E16	Additional weight 700 g
63-L2700/E18	Conical penetration probe 8 mm dia x 50 mm complete with 100g calibrated weight for gypsum testing to EN 13279
63-L0027/E9	Water thermostatic unit for VICAMATIC -2. Up to 2 units may be connected. 230 V, 50-60 Hz, 1 ph
63-L0027/E9Z	Water thermostatic unit for VICAMATIC -2. Up to 2 units may be connected. 110 V, 60 Hz, 1 ph