

Product Code

UTCM-0048/E	Automatic Vicat Apparatus (VICAMATIC-2) EN, 230 V 50-60 Hz
UTCM-0048/E/110	Automatic Vicat Apparatus (VICAMATIC-2) EN, 110V, 60Hz, 1 Ph
UTCM-0048/A	Automatic Vicat Apparatus (VICAMATIC-2) ASTM 230 V 50-60 Hz
UTCM-0048/A/110	Automatic Vicat Apparatus (VICAMATIC-2) ASTM 110V, 60Hz, 1 Ph

Standards

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

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

The machine is based on the innovative CVI-TECH philosophy. On the machine, 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.

Main Features

- Functional and ergonomic design based on the innovative CVI-TECH philosophy.
- Advanced electronics technologies providing superior performances and total flexibility combined with simplicity in use
- Easy-to-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
- Large accessibility to the test space
- Practical in-water testing accessory (optional)
- Automatic determination of initial and final setting time

UTCM-0048/E is supplied complete with EN 196-3 accessories: initial setting time needle 1.13 mm dia., mould and PC software VICASOFT-BASIC.

UTCM-0048/A is supplied complete with ASTM C191 accessories: initial setting time needle 1.00 mm dia., mould and PC software VICASOFT-BASIC.

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

UTEST
MATERIAL TESTING EQUIPMENT



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

Spare Parts

UTCM-0048/10 1,13 mm dia. needle for initial setting time test to EN
UTCM-0048/11 1 mm dia. needle for setting time test to ASTM/AASHTO

UTCM-0048/12 Plastic mould to EN
UTCM-0048/13 Plastic mould to ASTM/AASHTO
UTCM-0048/14 Glass base plate
UTCM-0048/15 Spare base plate for in-water testing kit



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

Accessories

UTCM-0048/01 Accessory for Needle Continuous Cleaning and In-Water Testing

UTCM-0048/02 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.

UTCM-0048/03 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.

UTCM-0048/04 Needle for Final Setting Test EN

UTCM-0048/05 Cylindrical Probe for Consistency Test

UTCM-0048/06 Additional Weight 700 g,

UTCM-0048/07 Water thermostatic unit for VICAMATIC -2. Up to 2 units may be connected. 230V, 50-60 Hz, 1 ph

UTCM-0048/07/110 Water thermostatic unit for VICAMATIC -2. Up to 2 units may be connected. 110V, 60 Hz, 1 ph

UTCM-0048/08 Conical penetration probe 8 mm dia x 50 mm complete with 100g calibrated weight for gypsum testing to EN 13279
UTCM-0048/09 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

BPS INSTRUMENT
TENSILE TESTING MACHINE