



**E044M**  
**VICATRONIC**  
**AUTOMATIC TOUCH-SCREEN VICAT APPARATUS**

STANDARDS: EN 196-3, 480-2, 13279-2 | ASTM C187, C191 | AASHTO T131

The new **Vicatronic** apparatus is designed and manufactured using the most recent and sophisticated technology to grant precise measurements of the setting time of cements, mortars, gypsum and other pastes.

The unit is manufactured with anticorrosion components perfect to work in environment with humidity and temperature requested by the relevant standards.



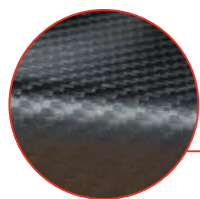
7" touch-screen display with userfriendly interface

High precision sensor for the probe positioning

2 USB ports to save and transfer the data

Automatic system for sample positioning

Built-in printer to directly print the results



Extremely light carbonfiber outside casing

**MAIN FEATURES**

- Realtime graphic display of the test.
- Fully automatic execution of the tests
- Pre-set penetration cycles according to the standards
- Customizable programs for research tests
- Easy data transfer simply using a USB stick
- Free fall or guided fall option

**TECHNICAL SPECIFICATIONS**

- LCD, TFT, 800x480 pixels, 7 inches, graphic touchscreen
- 2 USB ports
- Internal encoder with 0,1 mm resolution
- Windows based interface (no external PC required)
- Minimum time between penetrations time: 15 seconds
- Mobile probe (300 g) included
- EN needle (Ø 1,13 mm) and ASTM needle (Ø 1 mm) included
- EN mould (Ø70/80) and ASTM mould (Ø60/70) included

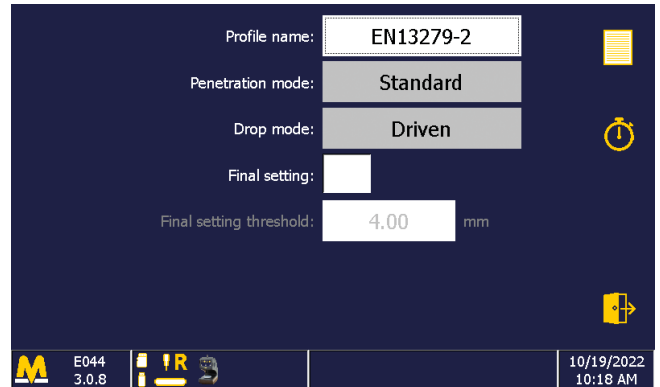
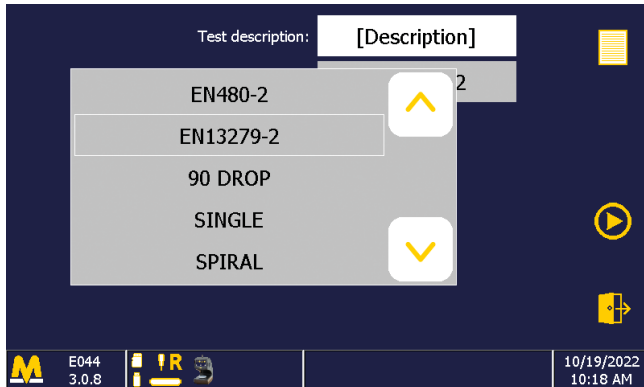
**Power supply:** 230V 1ph 50-60Hz 50W

**Dimensions:** 240x360x440 mm

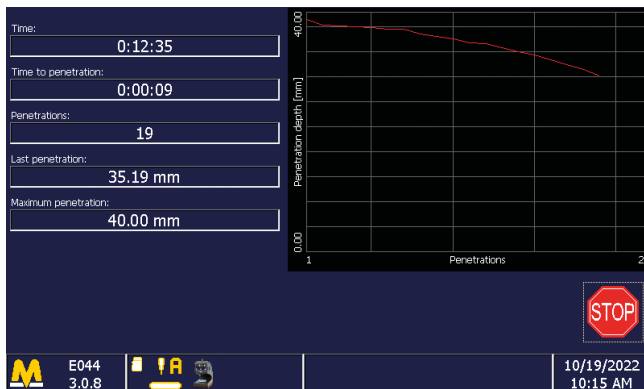
**Weight:** 13 kg approx.

Since decades, the Matest Vicatronic is the most popular and appreciated automatic vicat apparatus available in the market. This is the latest generation which merges the precise and reliable mechanisms of the glorious Vicatronic which delivers extremely precise and easily customizable penetration path, with totally new electronics/display and innovative body made from light and robust carbon fibre.

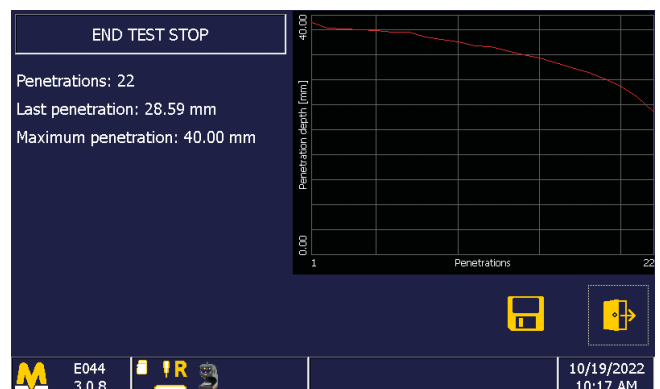
## CYBER PLUS PROGRESS - USER INTERFACE AND EASY TO USE STEP-THROUGH OPERATION



Test settings: test description, standards of reference, type of fall, final setting, penetration time



Test execution:  
The display shows in real time the graph and the data about the penetrations (time, number of penetrations, last penetration measure and maximum penetration measure)

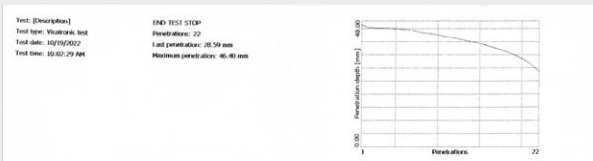


Test results:  
Final calculations are automatically displayed at the end of the test together with the graph

### INTEGRATED PRINTER

to provide immediate print out of the following data:

Test: vicat test 001	END TEST STOP
Test date: 20/10/2022	Penetrations: 15
Test time: 10:30:45 AM	Last penetration: 25 mm
	Maximum penetration: 40 mm



Example of printed report

### AVAILABLE ACCESSORIES

- E043** EN 196-3 Mould container for tests on submerged specimens
- E044-06** EN 196-3 The device produces water at 20°C for tests on submerged specimens
- E044-30** Needle cleaning device
- E044-40N** Conical penetration needle for tests on gypsum pastes (Ø8 mm, length 50)
- E044-41N** Probe 100 g, to make test on gypsum following EN, DIN Specifications.