



# HUMBOLDT

## Auto, Touch-Screen Vicat

### VICATRONIC

#### Automatic Touch-Screen Vicat Apparatus

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

The new H-3052A.3F Vicatronic apparatus is designed and manufactured using the most recent and sophisticated technology to provide precise measurements for setting time of cements, mortars, gypsum and other pastes.

The unit is manufactured with anti-corrosion components, which exceed relevant standard specifications for humidity and temperature.



7" touch-screen display with user-friendly interface

Automatic sample-positioning system

Extremely light carbonfiber outside casing

High precision sensor for the probe positioning

Built-in printer to directly print test results

2 USB ports to save and transfer data

H-3052A.3F

### MAIN FEATURES

- LCD, TFT, 800x480 pixels, 7" touchscreen
- 2 USB ports
- Real-time graphic display of the test.
- Fully-automatic execution of the tests
- Pre-set penetration cycles based on standards
- Customizable programs for research tests
- Easy data transfer simply using a USB stick
- Free-fall or guided-fall option

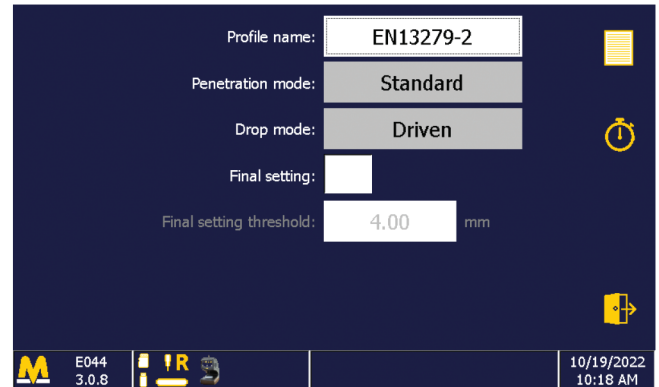
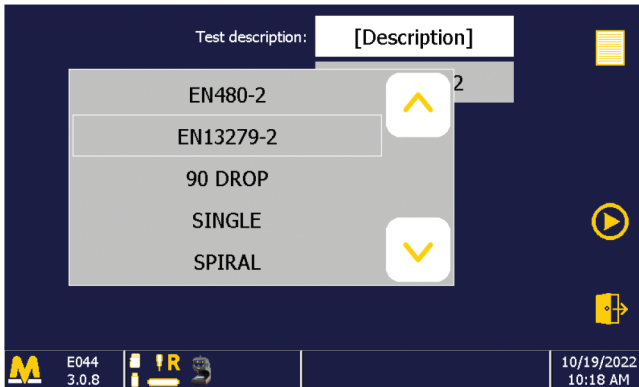
### TECHNICAL SPECIFICATIONS

- Internal encoder with 0.1mm resolution
- Windows-based interface (no PC required)
- Time between penetrations: 15 seconds
- Mobile probe (300g) included
- EN (Ø1.13mm) and ASTM (Ø1mm) needle included
- EN (Ø70/80) and ASTM mould (Ø60/70) included
- Power supply: 120/220V 50/60Hz
- Dimensions: 240 x 360 x 440mm
- Weight: 28.6 lbs. (13kg)

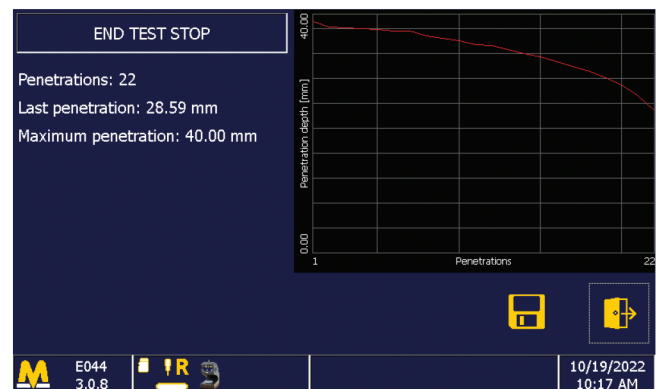
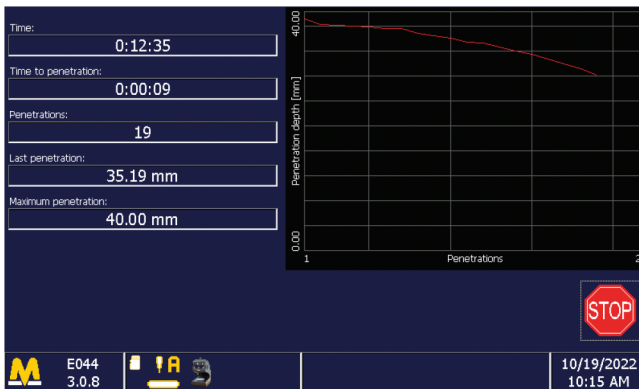
# Specifications

The Vicatronic is the most popular automatic vicat apparatus available in the market today. This latest generation of the Vicatronic merges the precise and reliable mechanisms people have come to expect with a totally new electronics/display and innovative body made from light and robust carbon fibre.

## New User Interface with Easy-to-Use, Step-Through Operation



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



### Test Execution

The real-time display shows penetration data and a graph of the test. Data includes: time, number of penetrations, last penetration and maximum penetration.

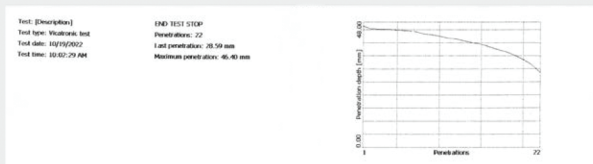
### Test Results

A final graph and calculations are automatically displayed at the end of the test.

### 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

### Accessories

- H-3052.3 EN 196-3 Mold container for tests on submerged specimens
- H-3052.21 EN 196-3 Device produces water at 20°C for submerged specimen tests
- H-3052.10 Needle cleaning device
- H-3052.40N Conical penetration needle for gypsum paste tests (ø8mm, length 50)
- H-3052.41N Probe 100g, for gypsum tests following EN, DIN specifications