

Product Name :
Astra Scientific Automatic Vicat Apparatus

Product Code :
ASTCEMENT-0022



Description :

Astra Scientific Automatic Vicat Apparatus

Technical Specification :

General Description:

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.

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
- Power: 50 W
- Dimensions: 200x400x410mm (L x W x H)
- Weight approx.: 10 kg

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



Astra Scientific

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