

# CEMENT COMPRESSION TESTER

Code : C002



- Engineered for accurate determination of compressive strength in cement and mortar cube specimens, ensuring adherence to international testing standards.
- Features a robust two-column frame design that provides stability and uniform load distribution during testing procedures.
- Incorporates a TFT Data Acquisition and Control System, facilitating real-time monitoring, automatic load rate adjustments based on specimen dimensions, and user-friendly calibration.
- Offers automatic test termination upon specimen failure, enhancing operator safety and preserving equipment integrity.
- Capable of testing various cube specimen sizes, including 40 mm and 50 mm, accommodating diverse laboratory requirements.

## **STANDARDS**

ASTM C109 • ASTM C349 • EN 196-1 • EN 1015-11 • EN 13892-2 • EN 13454-2 • EN 459-2 • BS 4550 • BS 4551 • BS 3892 • EN 12504-1 • EN 13813 • EN 13892-3

## TECHNICAL SPECIFICATIONS

- Frame Type: Rigid 2-Column
- Test Type: Compression
- Operation: Fully Automatic
- Control System: TFT Data Acquisition and Control
- Load Rate Control: Automatic, based on specimen dimensions
- Test Termination: Automatic upon specimen failure
- Display: Real-time graph with maximum load and stress indicators
- Calibration: User-friendly, password protected
- Power Supply: 220–240 V / 50–60 Hz

## EQUIPPED WITH

- TFT Data Acquisition and Control System

## SUPPLIED WITH

- Compression test fixtures for 40 mm and 50 mm cube specimens

## ORDERING INFORMATION

| Item                                       | Code      |
|--|-----------|
| DUCTILITY TESTER with COOLING UNIT [60 Hz] | A440C00XK |
| DUCTILITY TESTER with COOLING UNIT         | A440C00XT |

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| CEMENT COMPRESSION and FLEXURE TESTER - TFT                          | C001A25XU |
| HIGH-CAPACITY CEMENT COMPRESSION and FLEXURE TESTER - TFT            | C001A60XU |
| CEMENT COMPRESSION TESTER - 250 kN                                   | C002A25XU |
| CEMENT COMPRESSION TESTER - 600 kN                                   | C002A60XU |
| COMPRESSION JIG - 40 mm  | C003P001H |
| COMPRESSION JIG - 50 mm  | C003P002H |
| FLEXURE JIG  | C003P003H |
| COMPRESSION JIG - 70.7 mm  | C003P004H |
| TRANSVERSE DEFORMATION TESTER - 250 N                                | C004A250U |
| HIGH-CAPACITY CEMENT COMPRESSION and FLEXURE TESTER (Loadcell Model) | C005A60XU |