

# CEMENT COMPRESSION TESTER (C002)

Category: Cement



**Product Code:** C002

**Category:** CEMENT

**Sub-Category:** STRENGTH

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- 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.
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## **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
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

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*Keywords: cement compression tester, mortar strength testing, ASTM C109, EN 196-1, cement testing equipment, construction materials testing, laboratory compression machine, standards-compliant tester, ALFA Testing Equipment, compressive strength measurement*