

# LENGTH COMPARATOR (C018)

Category: Cement



**Product Code:** C018

**Category:** CEMENT

**Sub-Category:** PHYSICAL PROPERTIES

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- The Length Comparator is a precision instrument designed to measure length changes in hardened cement paste, mortar, and concrete prisms, essential for assessing dimensional

stability and potential expansion or shrinkage.

- Equipped with a high-resolution digital gauge (12.7 mm travel, 0.001 mm resolution), it ensures accurate and repeatable measurements, facilitating compliance with stringent testing standards.
  - The apparatus features a sturdy two-column steel frame with an adjustable top anvil, accommodating specimens of varying lengths up to 300 mm, enhancing versatility in testing applications.
  - An Invar reference bar is utilized for calibration, providing a stable baseline for precise length change measurements over time.
  - The comparator is compatible with various specimen sizes and configurations, aligning with international standards for evaluating the dimensional stability of cementitious materials.
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## **STANDARDS**

ASTM C151 • ASTM C490 • EN 12617-4 • EN 1367-4

## **EQUIPPED WITH**

- Gauge Type: Digital
- Gauge Travel: 12.7 mm
- Resolution: 0.001 mm
- Maximum Specimen Length: 300 mm
- Frame: Two-column steel with adjustable top anvil
- Calibration: Invar reference bar

## **SUPPLIED WITH**

- Digital Length Comparator (Code: C018X01XB)
- Reference Rod - 160 mm (Code: C018P001H)

## **ORDERING INFORMATION**

Item	Code
DIGITAL LENGTH COMPARATOR - Digital	C018X01XB
ANALOG LENGTH COMPARATOR - Analog	C018X02XH
REFERENCE ROD - 160 mm	C018P001H
REFERENCE ROD - 200 mm	C018P002H
REFERENCE ROD - 250 mm	C018P003H
REFERENCE ROD - 254 mm	C018P004H
REFERENCE ROD - 280 mm	C018P005H

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*Keywords: Length Comparator, cement prism length measurement, ASTM C151, ASTM C490, EN 12617-4, EN 1367-4, dimensional stability testing, mortar shrinkage measurement, concrete expansion testing, ALFA Testing Equipment*