LENGTH COMPARATOR

Code : C018



- 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 gauge (12.7 mm travel), 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.
- A 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.
- Reference Rods should be ordered separately.

STANDARDS

ASTM C151 • ASTM C490 • EN 12617-4 • EN 12808-4 • EN 1367-4 • EN 680

TECHNICAL SPECIFICATIONS

- Maximum Specimen Length: 300 mm
- Frame: Two-column steel with adjustable top anvil

AVAILABLE MODELS

- Digital Length Comparator:
  - Gauge Type: Digital
  - Gauge Travel: 12.7 mm
  - Resolution: 0.001 mm
- Analog Length Comparator:
  - Gauge Type: Mechanical
  - Gauge Travel: 12.7 mm
  - Resolution: 0.002 mm

ORDERING INFORMATION

Item Name	Item Code
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
LENGTH COMPARATOR with DIGITAL DIAL	C018X01XB
LENGTH COMPARATOR with ANALOG DIAL	C018X02XH
LENGTH COMPARATOR with LPDT	C018X03XH