SOIL > CALIFORNIA BEARING RATIO

CBR TESTING MACHINE (Digital)

Code : T001M



- The Laboratory CBR Tester is used to determine the California Bearing Ratio (CBR) of soil specimens, a critical parameter for evaluating the mechanical strength of road subgrades and base layers in pavement design.
- Available in Fully Automatic, Digital, and Load-Ring models, the apparatus caters to varying levels of automation and data acquisition requirements, ensuring adaptability to diverse laboratory needs.
- The Fully Automatic model features a 7" touch screen interface and integrated software, enabling automatic test execution, real-time data visualization, and generation of comprehensive reports, thereby enhancing efficiency and reducing operator intervention.
- The Digital model is equipped with a touch screen load/flow indicator and PC connectivity, facilitating real-time data transfer and plotting of load versus penetration graphs, essential for detailed analysis and documentation.
- The Load-Ring model incorporates a mechanical load ring and dial indicators, providing a cost-effective solution for laboratories preferring manual data recording while maintaining compliance with

international testing standards.

- All models are designed to apply loads at standardized rates of 1.00 mm/min and 1.27 mm/min, conforming to ASTM D1883, BS 1377-4, and EN 13286-47 specifications, ensuring consistency and reliability in test results.
- Constructed with high-quality materials and components, the CBR Tester ensures durability and long-term performance in rigorous laboratory environments.

STANDARDS

ASTM D1883 • EN 13286-47 • BS 1377-4

TECHNICAL SPECIFICATIONS

- Capacity: 50 kN
- Load Rates: 1.00 mm/min and 1.27 mm/min
- Power Supply: 220 - 240 V / 50 - 60 Hz

- **Fully Automatic Model:**
  - Control Interface: 7" Touch Screen with PC Software for Reporting and Automatic Calculations & Corrections
  - Load Measurement: High Precision Load Cell
  - Penetration Measurement: Electronic Measurement with Peak Hold Function
- **Digital Model:**
  - Display: Touch Screen Load/Flow Indicator with PC Software for Data Collection
  - Load Measurement: High Precision Load Cell
  - Penetration Measurement: Electronic Measurement with Peak Hold Function
- **Load-Ring Model:**
  - Load Measurement: Mechanical Load Ring

- Penetration Measurement: Dial Indicator

EQUIPPED WITH

- CBR Penetration Piston
- USB Connectivity for Data Transfer (Fully Automatic and Digital Models)

ORDERING INFORMATION

Item Name	Item Code
LAB. CBR APPARATUS - Automatic	T001A05XU
LAB. CBR APPARATUS - Load Ring	T001L05XU
LAB. CBR APPARATUS - Digital	T001M05XU
LAB. CBR APPARATUS - Digital (100 kN)	T001M10XU
SPARE LOAD/DEFORMATION INDICATOR for T001M	T001P001X
CBR PENETRATION PISTON	T001P002X
SPARE DISPLAY PANEL (2.8") for T001M	T001P003H

OTHER PHOTOS

