

Soil Testing

CBR

California Bearing Ratio

The California Bearing Ratio test, or CBR as it is usually termed, is an empirical test first developed in California, USA for estimating the bearing value of highway sub bases and subgrades. The test follows a standardised procedure and there is little difference between EN/BS and ASTM tests.

Load and Penetration

A range of accessories is available enabling options to collect and analyse data with the ELE CBR-Test 50.

1. Mechanical, using standard Load Rings and Penetration dial gauges.
2. Electronic, Load Transducers and Displacement Transducers in conjunction with the ELE Electronic Control and Readout Unit supplied with download software.



CBR-Test 50 Machine

BS1377, 1924; EN 13286-47; ASTM D 1883; AASHTO T193

- Two speed machine (BS/EN and ASTM)
- Rapid platen adjustment
- Options for mechanical or electronic measurement

Designed for performing laboratory CBR tests to BS 1377 and ASTM D1833, this bench mounting machine comprises a twin column frame incorporating a motorised drive system. Two speeds are provided, 1.0mm/min for BS and 1.27mm/min for ASTM tests. Rapid adjustment of the platen is provided which enables daylight to be taken up quickly and also close control of application of a seating load.

Ordering Information

EL24-9150 series CBR-Test 50. 50kN load Frame complete with stabilising bar.

EL24-9150/01 for 220-240V AC 50Hz 1ph.

EL24-9150/02 for 110-120V AC 60Hz 1ph.

Specification

Dimensions (l x w x h)	430 x 240 x 1400 mm
Maximum vertical clearance	800 mm
Horizontal clearance	255 mm
Platen diameter	133 mm
Platen travel	105 mm
Weight	80 kg

ELE Electronic Control Unit (ECU)

BS598, 1377, 1924; EN 12697-23, 24, 13286-47, ASTM D1883; AASHTO T193

- Metric, Imperial or SI engineering units
- Test stop at transducer limits
- Download software supplied as standard

Ordering Information

EL27-1200/09 ECU Electronic Control and Readout Unit, complete with download software for 110-240 VAC 50-60Hz 1ph.

