

CALIFORNIA BEARING RATIO TEST APPARATUS, MOTORISED



MAKE: VERTEX | MODEL NO.: VSLIC-S110

Ref. Standard: IS:9669, IS:2720 (PART XVI), BS 1377, EN 13286-47/ ASTM D 1883, AASHTO 193

The California bearing ratio test, (usually called as CBR test) is an empirical test developed in California, USA for determining the relative bearing ratio and expansion characteristics under known surcharge weight of base, sub-base and sub grade soils for the design of roads, pavements and runways. The CBR test is used extensively in selection of materials and control of subgrades.

The test can be performed in the laboratory on prepared samples or in-situ on location. It is important to appreciate that this test, being of an empirical in nature, is valid only for the application for which it was developed i.e., the design of highway base thickness.

Silent Features:

- Compact, bench top design
- Rapid platen Adjustment
- Complete with Stabilizing Bar



- Options for mechanical or electronic measurement
- Suitable for operation on 220V, 50HZ, single phase, AC supply.

The equipment consists of the following replaceable parts:

VSLIC-S110.1	Load frame, 50KN capacity, three speed 1.5, 1.25 & 2.5 mm/min
VSLIC-S110.2	Mould-Gun metal 150mm ID X 175mm high
VSLIC-S110.3	Perforated Base Plate Gun-Metal, for VS 23101 Mould
VSLIC-S110.4	Extension collar – GUN metal 150mm ID X 50 mm high
VSLIC-S110.5	penetration piston 50mm face dia
VSLIC-S110.6	Adjustable Bracket for penetration dial gauge
VSLIC-S110.7	Circular Metal Spacer Disc, with detachable handle, 148mm dia X 47.7 mm high
VSLIC-S110.8	Annular metal weight 2.5kg, 147 mm dia with 53 mm dia central hole
VSLIC-S110.9	Slotted metal weight 2.5 kg, 147 mm dia, with 53 mm dia slot
VSLIC-S110.10	Perforated Plate 148 mm dia, with adjustable stem and lock nut
VSLIC-S110.11	Metal Tripod for dial gauge
VSLIC-S110.12	Cutting Collar
VSLIC-S110.13	Rammer 2.6 kg, 310 mm Controlled Drop
VSLIC-S110.14	Rammer 4.9 kg, 450 mm Controlled Drop
VSLIC-S110.15	Proving ring capacity 50KN
VSLIC-S110.16	Dial gauge 25mm travel, 0.01 mm least Count

