

CBR TEST MACHINE WITH LOAD RING

STANDARDS: EN 13286-47, BS 1377:4, ASTM D1883, AASHTO T193, NF P94-078, UNI CNR 10009

CBR Test Machine is designed for performing laboratory evaluation of the CBR value of highway sub-bases and sub-grade and determination of the strength of cohesive materials.

The device is composed of a robust and compact two column frame with adjustable upper cross beam.

The CBR Test Machine designed to load the penetration piston into the soil sample at a constant rate to measure the applied load and piston penetration at predetermined intervals.

The frame has 50 kN capacity. Two test speeds are provided 1.0 mm/min for BS and 1.27 mm/min. for ASTM/EN/AASHTO Tests.

Loading and unloading are down from the front panel by UP/DOWN buttons.

For safety, the up and down travel of the lower platen is limited the use of limit switches.

The measuring system consists of a 50 kN capacity Load Ring fitted to the upper cross beam to read stability values and the 30 x 0.01 mm Analog Dial Indicator fitted to the column.

Supplied complete with 50 kN Load Ring with 0,01 mm resolution Analog Dial gauge, 30 x 0,01 mm Analog Dial Indicator and CBR Penetration Piston.

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-S5005	CBR Test Machine	47x61x115	80	220 V, 50 Hz, 1 ph
HR-S5005/60Hz	CBR Test Machine	47x61x115	80	220 V, 60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name
HR-S5000/1	CBR Penetration Piston
HR-G5003	Load Ring, 50 kN capacity with 0,01 mm resolution Analog Dial gauge
HR-G0876	Analog Dial Indicator, 30 x 0,01 mm

CBR MOULD AND ACCESSORIES

STANDARDS: ASTM D1883, AASHTO T193, EN 13286-47, 13286-4, BS 1924:2, BS 1377:4

This method has been developed by the California State Highway Department, and is now accepted by almost all the International Standards in force. The test is aimed to the evaluation of the bearing capacity of soil for flexible pavement design in road construction. The compaction test can be performed both with the manual rammers and the automatic compactor.

The CBR equipment, steel made and plated against corrosion is available in different versions according to the various Standards in force.

Technical Specifications for ASTM D1883, AASHTO T193 Models;

CBR Mould Set is supplied complete with Extension Collar and Perforated Base Plate.

The other accessories should be ordered separately.

Technical Specifications:

Product Code	Product Name	Standard	Dimensions (mm)	Weight (kg)
HR-S5100	CBR Mould Set	ASTM, AASHTO	200x200x450	8



HR-S5005