

Digital Computerized CBR

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

DESCRIPTION:

The Digital Computerized 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 which have maximum particle sizes less than 19 mm (3/4").

The machine is 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 machine has a digital readout unit on its front panel connected to 50 kN load cell, linear potentiometric displacement transducer (25 mm x 0.001 mm), computer software and connection cable.

The Digital Graphic Display Data Acquisition and Control Unit are designed to control the machine and processing of data from load-cells, pressure transducers or displacement transducers which are fitted to the machine.

All the operations are controlled from the front panel touch screen. It displays all menu option listings simultaneously, allowing the operator to access the required option in a seems less manner.

The Digital Graphic display can draw real-time "Load vs. Time", "Load vs. Displacement" or "Stress vs. Time" graphics.

The digital computerized CBR Test Machine is supplied with:

- Digital Touch Screen
- Load Cell, 50 kN
- Penetration Piston
- Linear Potentiometric Displacement Transducer
- Computer Software
- Connection Cable

ORDERING:

SL 0798
Digital Computerized
CBR Test Machine

ACCESSORIES:

SL 0798-1
Digital Touch Screen

SL 0798-2
Load Cell

SL 0798-3
Penetration Piston

SL 0798-4
Linear Potentiometric
Displacement Transducer

SL 0798-5
Computer software

SL 0798-6
Computer Cable



TECHNICAL SPECIFICATIONS:

Dimensions	480x650x1150 mm
Weight (approx.)	110 kg
Power	370 W