

### Automatic CBR Test Machine

Make: LabTek

Model: SUN-SL-008

Origin: India

Standards: ASTM D1883 | EN 13286-47 | BS 1377:4 | AASHTO T193 |

NF P94-078 | UNI CNR 10009

Automatic 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.

The Machine is composed of a robust and compact two column frame with adjustable upper crossbeam driven by an electromechanical ram with a maximum capacity of 50 kN and a data acquisition and processing system.

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 ram speed can be set between 0.5 mm/min to 5 mm/min by using the digital readout unit. This main feature allows the user to perform tests complying to BS, EN, ASTM or AASHTO standards with the same machine. Rapid adjustment of the platen is also provided by up and down buttons which are located on the front panel of the machine.

The Automatic Cbr Test Machine is supplied complete with;

- SUN-SL-008/01 | Automatic Cbr Load Frame
- SUN-SL-008/02 | Penetration Piston
- SUN-SL-008A/S50 | Load Cell, 50 kN
- SUN-SL-008B/02 | Linear Potentiometric Displacement Transducer, 25x0.001 mm
- SUN-SL-008C/03 | TCM Readout Unit Featuring , PC Software and Cable

Cbr moulds are should be ordered separately.

Data acquisition and processing: by TCM readout unit featuring;

- Large graphic touch screen display 240 X 128 pixel,
- Effective resolution 16 bit ,
- Effective sampling rate 40 Hz ,
- Communication port

#### MAIN FEATURES

- Automatically calculates flow and stability values
- 240\*120 pixel blue-white graphic LCD display.
- High resolution 65.000 points.
- Backlight function.
- Capability of contrast calibration by light.
- 21 key touch membrane keyboard.
- Two analogical and two digital channels, use for load cell or pressure transducer etc.
- Standalone full automatic testing capacity.
- Can make manual tests if requested.
- A sample type and dimension can be entered respect to the standards,
- Load-Time, Tensile-Time, Test Results and Sample reports observable and printable.
- One RS232 serial port for connecting either PC or printer for data transmission.
- Comes with Connection cable and software.
- Large permanent memory up to 256 test results.
- Language select, English

#### Specifications

Capacity: 50 kN

Platen Speed: 0.625 to 5 mm/min .

Dimensions: 400x560x1100 mm

Weight (approx):95 kg

Power:370 W



CBR Accessories



Proctor moulds and rammers