

# SOIL TESTING

## LABORATORY COMPACTION TESTING

### CALIFORNIA BEARING RATIO

CIVILAB CL22006 MOTORISED CBR MACHINE UTILISING VJ5011-RS 50kN LOAD FRAME.



The CIVILAB Motorised CBR machine is based on a VJ5011-RS Triplex 50kN compression machine with a stepper drive system providing strain rates from 0.01 to 50mm per minute making it suitable for a variety of UCS tests. Control can be manual or fully automatic via the optional computer logging software.

It is fitted with a load cell and indicator displaying stress loads of up to 50kN x 0.001kN, tare and peak hold functions. The indicator also has an RS232 port for data transmission.

The penetration piston is fitted with CIVILAB's unique 'Slide and go' adapter to allow the operator to locate the piston in the soil mould assembly prior to placing in the machine. This eliminates the need for spacers under the mould or the laborious need to screw the piston into the load cell after placing.

Excess daylight can also be reduced by the Triplex's fast approach function which will engage at 50mm per minute and can be manually controlled by the operator.

For penetration measurements the standard version is fitted with a 30mm x 0.01mm analogue dial gauge but can be replaced with a digital version which is mandatory if set up for automatic control and data logging.

**SPECIALISTS IN THE SUPPLY OF CIVIL ENGINEERING MATERIALS TESTING EQUIPMENT**



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