CBR Test Machines

The California Bearing Ratio (CBR) test is a measure of the strength of subgrade soil and highway sub base and subgrade via a penetration test. It is designed for testing cohesive materials with a particle size less than 19mm.

CBR Test Machine with Load Ring – UTS-0852

This machine includes a load ring and dial gauge and is used to measure force and piston travel. Two travel speeds 1mm/min & 1.27mm/min. 50 kN capacity

Field Testing Systems – UTS-0865

Onsite evaluation of base and sub base is achievable due to field CBR testing. Sites undisturbed by construction activity are most preferred when performing the field test. It is also possible to saturate test sites to collect conservative data.

It is also possible to assemble the machine with conversion frame UTS-0867 to create a mechanical CBR test machine.

CBR Test Machine with Digital Readout – UTS-0854

This machine includes digital force and a travel readout. Two travel speeds 1mm/min & 1.27mm/min. 50 kN capacity.

Automatic CBR Test Machine – UTS-0860

- Variable ram speed between 0.5-5 mm/min. Compatible with data acquisition and testing software.
- System will record corrected CBR values at 0.625 1.25 1.875 2.5 3.75 5 7.5 10 12.5 mm, along with the %CBR at 2.5 and 5 mm
- Displacement or load control
- Live test Graph display
- 50 kN capacity
- Excel output

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclinometers, Extensometers, Tiltmeters, Load Cells and Dataloggers

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