



4.5kg Basic Clegg Soil Strength Tester Simple Tool for Checking Trench Re-instatement & Soil Strength

The Clegg Impact Soil Tester type CIST/882 provides a means for measuring and controlling soil strength and consolidation levels during trench re-instatement. It is also used to confirm uniform compaction over wide areas of ground, identifying poorly compacted areas and ineffective rolling of materials. A special lightweight version of the Tester is also available for checking sports turfs whilst a heavy duty version is supplied for testing harder materials and roadworks.

The Clegg Impact Soil Tester provides a compact and reliable instrument for monitoring and controlling the quality of reinstatements while the work is in progress, avoiding the need for re-excavation should later tests reveal poor workmanship.

Irrespective of meeting a density specification for road works and trench reinstatement etc, insufficient strength/stiffness can lead to failure, typically if the material is too wet prior to opening to traffic or sealing.

One of the uses of the Clegg Hammer is to monitor the improvement in strength/stiffness through drying out so that a certain minimum Clegg value is obtained in order to help prevent such failures as a result of too much moisture. Be it residual moisture from the compaction process, flooding, precipitation or groundwater – where, for example, undetected inflow from the shoulders or underground springs can lead to serious problems.



The rapid and simple nature of making Clegg Impact Tests allows for large areas to be scanned rapidly by one person. The portable nature of the Clegg Impact Soil Tester allows for testing in remote or difficult to access areas. The non-destructive nature of the method obviates driving rods down into a finished layer which could lead to potholing.

Standard Package Includes:

Clegg 4.5kg hammer & T handle, guide tube with locating pin & chain, readout bracket with side clamps, CIST/883 readout unit, connecting cable, operational check ring, instruction manual, test calibration certificate, hard carry case.

4.5kg Bluetooth unit available - *please contact one of our sales specialists for more information*



This instrument is available for hire