

Email :
sales@schooleducationalinstruments.com
Phone: +91-0171-2601773

Product Name :
Consolidation Test Apparatus

Product Code :
SCHOOL-SOL730001



Description :

Consolidation Test Apparatus

Technical Specification :

The apparatus has been designed to reduce the testing time for triaxial tests, where only one compression machine is available. Ergonomic design for better use of space in the laboratory. With this equipment it is possible to perform the consolidation stage of three triaxial specimens at the same time for CU and CD tests in anisotropic conditions. The apparatus consists of a steel bench complete with three load frames and centering platens, for all our triaxial cells for specimens 35 to 100 mm dia. It can also be used for other make of triaxial cells, provided that they are equipped with a centering hole 13 mm dia. x 3 mm deep. Each consolidation frame can be equipped with a beam loading device to reduce the number of dead weights required for anisotropic consolidation (see accessories). Weights can be placed on both the centre hanger and on the lever hanger. The weights of the loading frames have been reduced to minimum so that a counter balance of the frame is not required. The apparatus has to be completed with the axial displacement gauges or transducers, Beam loading device(s) and Slotted weights. To perform simultaneously the anisotropic consolidation stage of three triaxial specimens. To reduce the testing time, here only one triaxial compression machine is available. For triaxial cells up to 100 mm dia. specimens Suitable for other make of triaxial cells (with little adjustment). Overall dimensions (lxdxh): 1300x800x970 mm Weight approx.: 145 kg Accessories : Dial Gauge 0.002 mm x 10 mm. Extension piece, 40 mm long. Test forms pad of 50 for "Consolidation Test Plot" Test forms pad of 50 for one Dimensional Consolidation. Set of weights to give a pressure of 10 kg/cm. sq. on 60 mm dia specimen, comprising: 7 Nos. 0.05 kg/sq.cm, 5 Nos. 0.1 kg/sq.cm., 6 Nos. 0.2 kg/sq.cm., 6 Nos. 0.5 kg/sq.cm., and 5 Nos. 1.0 kg/sq.cm. Supplied complete as above but with dial gauge.

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Website: [www.https://www.schooeducationalinstruments.com/](https://www.schooeducationalinstruments.com/), **Email:** sales@schooeducationalinstruments.com

Address: Ambala Cantt, Haryana, India **Phone:** 91-0171-2643080