

Product Name :
Front Loading Oedometer

Product Code :
TEST5194RFQLAB-0026



Description :

Front Loading Oedometer

Technical Specification :

Front loading oedometer

This test determines the rate and magnitude of consolidation of a soil specimen restrained laterally and subjected to a number of successive increments of vertical loads.

The oedometer consists of a rigid aluminium alloy frame to avoid any distortion under load. The lever arm assembly is supported in precision self-aligning bearings and has three hanger positions for 9:1, 10:1 and 11:1 ratio. The oedometers fit with linear potentiometric transducers, can be connected to Data acquisition unit.

Max loading (using 11:1 lever arm ratio): 1848 kg, corresponding to 9.061 MPa (92.40 kgf/cm²) on a 20 cm² specimen (50.47 mm diameter)

Overall Dimensions:500*200*750 mm (height without hanger*width*length)

Weight: 21 kg

Accessories of weight sets

Weight set, 64 kg in total, comprising:
2*0.25, 1*0.5, 1*1, 1*2, 1*4 and 7*8 kg

Weights:

Mechanical (analogue): Dial gauge, 10 mm travel, 0.002 mm resolution measuring device Permeability attachment with 50 ml graduated burette.

Permeability attachment: complete with clamps, stand and rubber hose for Connection to the cell. Weight 4 kg

Consolidation bench: Bench for up to three oedometers.

Weight 30 kg

Electronic measuring devices: linear potentiometric transducer, 10 mm travel
Data acquisition and processing system.



Testing lab instruments India