

Manual/Semi-Automatic Consolidation Testing

Related Standards: BS 1377-5 : 1990; ASTM D4235-04; AS 1289.6.6.1; XP PG4-090-1

The VJ Tech Oedometer loads the specimen via a yoke assembly and one of three alternative beam ratios. The beam is fitted with a counterbalance weight and beam support jack. The cell platform is fitted with a central spigot, which locates the cell under the loading yoke, producing accurate results.

The Oedometer can be used in Manual or Semi-Automatic mode. In Manual mode, the Consolidation readings are taken visually and recorded as weights are added.

In Semi-Automatic mode, the Consolidation readings are recorded automatically using a Data Logger connected to a PC running Clisp Studio. The csODO software allows the Consolidation readings to be recorded automatically and the results presented in live, graphical and tabular format once the required weight(s) have been added.

Features

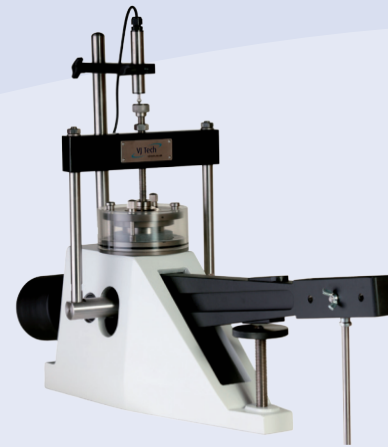
- Easy to use
- Manufactured to a high specification
- High Capacity loading (up to 100 kg)
- Triple Beam Ratio

Ordering Information and Specification

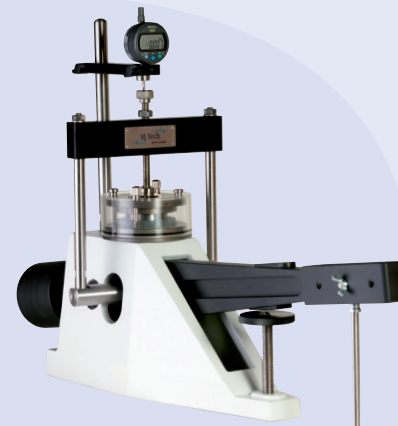
VJT0650	Manual Consolidation Oedometer
Dimensions (L x W x H)	810 x 240 x 580 mm
Weight	29kg

Accessories and Weights

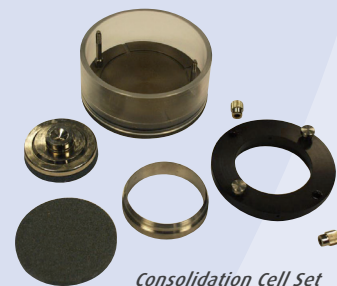
	50 mm Sample	2.5" Sample	70 mm Sample	75 mm Sample
Complete Cell	VJT0655	VJT0660	VJT0651	VJT0665
Upper Porous Disc	VJT0656	VJT0661	VJT0652	VJT0666
Lower Porous Disc	VJT0657	VJT0662	VJT0653	VJT0667
Cutting Ring	VJT0658	VJT0663	VJT0654	VJT0668
Calibration Disc	VJT0659	VJT0664	VJT0649	VJT0669
VJT0727	Slotted Weight 10kg			
VJT0728	Slotted Weight 5kg			
VJT0729	Slotted Weight 2kg			
VJT0730	Slotted Weight 1kg			
VJT0650-100W	Weight Set: 9 x 10kg, 1 x 5kg, 2 x 2kg, 1 x 1kg			
VJT0650-50W	Weight Set: 4 x 10kg, 1 x 5kg, 2 x 2kg, 1 x 1kg			



Manual Oedometer with LSCT Transducer



Manual Oedometer with Digital Dial Gauge



Consolidation Cell Set

Consolidation Cells

Our fixed ring cells are made from corrosion-resistant material. The soil sample is placed on the lower porous disc with the cutter ring surrounding it. The cell ring then clamps down the cutter ring and the pressure pad (which has the upper porous disc attached to it) is placed over the sample. The whole of this assembly is enclosed within a Perspex cylinder.

Accessories for Semi-Automatic Mode

VJT3000	MPX3000 Data Logger
VJT1000A	MiniScanner2 Data Logger
VJT0271	25 mm Displacement Transducer (LSCT)
VJT1010-4D	4-Channel Digital Indicator PC Interface
VJT0110-MIT	25 mm Digital Dial Gauge