Product name:	Product code:
Fully Automatic Consolidometer Load Frame with Data Logger	CMI-IND-0006

Description

Multi-station oedometer load frame with electronic displacement sensors to measure compression and consolidation of clays under stepped loads. Used by geotechnical consultants and foundation labs for settlement prediction.

Technical specification

Standard Accessories

- Consolidation cell with porous stones
- Weight set with hangers
- Sample cutter and trimming tools

The consolidometer applies sequential loads to a 60 mm or 75 mm soil ring through a lever arm and records settlement against time automatically. It suits projects where the coefficient of consolidation and compression index feed directly into foundation settlement calculations. Each station works independently so several samples can be tested together.

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Features

- Lever ratio 1:10 with counterbalanced loading arm
- Digital dial gauges or LVDT per station with logging software
- Floating-ring or fixed-ring cell options
- Corrosion-resistant stainless steel cell and porous discs
- Compact bench design with 3 or 4 stations

Technical Specifications

Number of stations	3 or 4
Lever ratio	1:10
Maximum vertical pressure	1600 kPa (on 60 mm ring)
Displacement range	0 to 12 mm
Displacement resolution	0.001 mm
Specimen ring	60 mm dia x 20 mm and 75 mm dia x 20 mm
Standards	IS 2720 Part 15, ASTM D2435
Power supply	230 V AC, 50 Hz for logger