

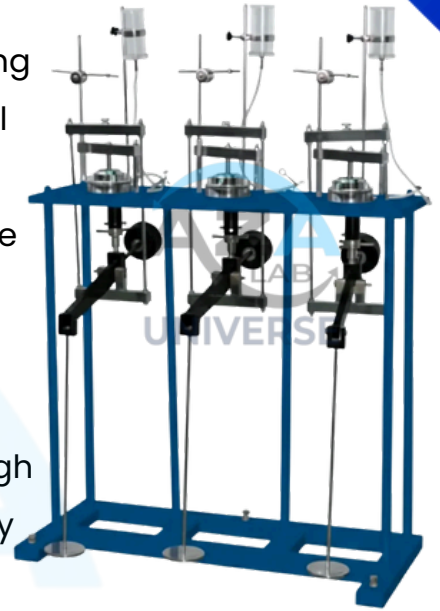


UNIVERSE

CONSOLIDATION APPARATUS (THREE GANG MODEL) AZA0898

The AZA0898 Three Gang Consolidation Apparatus is a high-capacity, precision-engineered system designed for conducting one-dimensional consolidation (oedometer) tests on three soil specimens simultaneously. It is ideal for geotechnical laboratories requiring high throughput, efficiency, and accurate settlement analysis.

With its three independent loading stations, the AZA0898 enables concurrent testing under different loading conditions, significantly reducing overall testing time while maintaining high measurement accuracy and repeatability. The system is widely used in foundation design, embankment studies, pavement engineering, and research applications.



Key Features & Benefits

- Simultaneous testing of three specimens for higher productivity
- Independent loading control for each gang
- Accurate and repeatable settlement measurements
- Rigid steel frame with minimal deflection
- Upgradeable with digital instrumentation (LVDT systems)

Standards Compliance

- ASTM D2435 / ASTM D3877 – Consolidation Testing
- BS 1377 (Part 5) – Compression & Swelling Tests
- IS 2720 (Part 15) – Consolidation Properties



UNIVERSE

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0898
Test Type	One-Dimensional Consolidation (Oedometer)
Configuration	Three Gang (3 Independent Stations)
Loading System	Dead weights with individual lever arms
Load Ratio	10:1 or 1:1 (typical)
Consolidation Cells	3 Nos. (50 mm / 63.5 mm / 75 mm dia)
Deformation Measurement	Dial Gauges (Standard)
Dial Gauge Resolution	0.01 mm
Maximum Load Capacity	Up to ~1000 kPa per sample
Frame Material	Heavy-duty steel
Cell Material	Brass / Stainless Steel



UNIVERSE TECHNICAL SPECIFICATION

Parameter	Specification
Operation	Manual (Bench-mounted)
Optional Upgrade	LVDT with digital display & data logging
Compliance	ASTM D2435, BS 1377, IS 2720

Typical Components Supplied

- Three gang loading frame
- Three consolidation (oedometer) cells
- Dead weights with lever arms (per station)
- Three dial gauges with mounting brackets

Optional Accessories:

- LVDTs with digital display
- Data acquisition and logging system
- Additional consolidation cells
- Calibration weights