



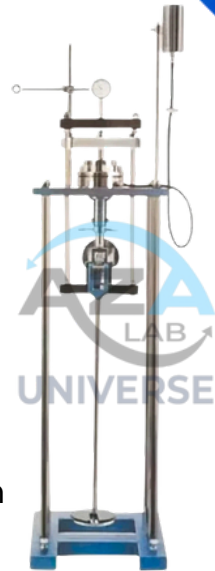
UNIVERSE

CONSOLIDATION APPARATUS (SINGLE GANG)

AZA0895

The AZA0895 Single Gang Consolidation Apparatus is a precision-engineered instrument designed for conducting one-dimensional consolidation (oedometer) tests to evaluate the compressibility and settlement characteristics of soils. It is an essential apparatus in geotechnical laboratories for assessing soil deformation behavior under controlled static loading conditions.

The data obtained using AZA0895 plays a critical role in foundation design, embankment construction, retaining structures, and long-term settlement analysis. Its robust mechanical construction ensures high accuracy, repeatability, and long-term reliability in both academic and professional environments.



Key Features & Benefits

- Single gang configuration for focused, precise testing
- Dead-weight loading system ensures consistent and reliable load application
- High-accuracy deformation measurement with dial gauge
- Rigid and stable frame minimizes vibration and error
- Compatible with standard consolidation cells
- Upgradeable with digital systems (LVDT & data logging)



UNIVERSE TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0895
Test Type	One-Dimensional Consolidation (Oedometer)
Configuration	Single Gang (One Testing Station)
Loading System	Dead weights with lever arm
Load Ratio	10:1 or 1:1 (typical)
Consolidation Cell Sizes	50 mm, 63.5 mm, 75 mm diameter
Deformation Measurement	Dial Gauge (standard)
Dial Gauge Resolution	0.01 mm
Maximum Load Capacity	Up to ~1000 kPa (or higher on request)
Construction	Heavy-duty steel frame
Installation	Benchtop



UNIVERSE TECHNICAL SPECIFICATION

Parameter	Specification
Stability	High-mass, vibration-resistant
Compliance	ASTM D2435, BS 1377-5

Standards Compliance

- ASTM D2435 – One-Dimensional Consolidation Test
- BS 1377 (Part 5) – Compression & Swelling Tests
- Compatible with IS 2720 Series

Optional Accessories

- Split mould: 38 mm × 76 mm
- Split mould: 38 mm × 86 mm
- Additional collars and end plugs
- Custom configurations (on request)