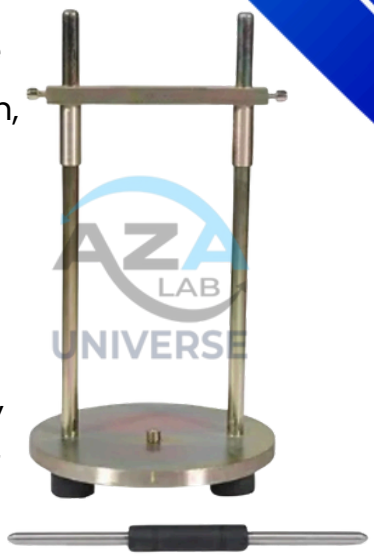
VOLUME CHANGE GAUGE AZA0906



The AZA0906 Volume Change Gauge from Azalab is a high-precision laboratory instrument designed for accurate measurement of volume change in saturated soil specimens during triaxial shear, consolidation, and permeability testing. It plays a critical role in determining volumetric strain, drainage behavior, and effective stress parameters in advanced geotechnical investigations.

By accurately measuring the inflow and outflow of water from a soil specimen, the AZA0906 enables engineers to assess soil compression, dilation, and hydraulic response under controlled loading conditions—making it indispensable for Consolidated Undrained (CU) and Consolidated Drained (CD) triaxial tests.

Key Features & Benefits

- High-Precision Measurement
- Essential for Effective Stress Analysis
- Wide Compatibility
- Multiple Measurement Options
- Leak-Proof & Air-Free Operation
- Stable Laboratory Setup

Standards Compliance

- ASTM D4767 – Triaxial Compression Test
- BS 1377 Part 7 – Triaxial and Effective Stress Tests
- IS 2720 (Part 11 & 12) – Soil Testing Standards

TECHNICAL SPECIFICATION

Feature	Specification
Model	AZA0906
Measurement Range	0 – 100 ml (customizable)
Resolution	0.1 ml / 0.2 ml
Burette Material	Borosilicate Glass / Acrylic
Measurement Type	Graduated Scale / Dial Gauge / LVDT (optional)
Mounting	Vertical Stand with Leveling Base
Connections	Drain / Back Pressure Ports (Quick Connect)
Operating Pressure	Up to 10 kg/cm²
Compatibility	Triaxial, Permeability, Consolidation Systems
Optional Upgrades	Digital Indicator, LVDT, Data Logger
Compliance	ASTM D4767, BS 1377 Part 7, IS 2720