PORE PRESSURE APPARATUS 20 KG/CM² AZA0905

The AZA0905 Pore Pressure Apparatus is a high-capacity, precision laboratory instrument designed for the accurate measurement of pore water pressure in saturated soil specimens during advanced geotechnical testing. With a maximum operating pressure of 20 kg/cm² (≈2000 kPa / 2 MPa), it is ideal for high-stress testing conditions, research applications, and routine engineering investigations.

Accurate pore pressure measurement is fundamental for determining effective stress, which governs soil shear strength, compressibility, and permeability. The AZA0905 is therefore an essential component for triaxial, consolidation, and permeability testing systems, ensuring reliable and repeatable results for critical geotechnical analysis.

Key Features & Benefits

- High-capacity measurement up to 20 kg/cm²
- High-precision readings for advanced geotechnical analysis
- Integrated de-airing system for accurate results
- Leak-proof valve and tubing system
- Compatible with manual and automated testing systems
- Suitable for research and high-pressure applications

Standards Compliance

- ASTM D4767 – Consolidated Undrained Triaxial Test
- ASTM D2850 – Unconsolidated Undrained Test
- BS 1377 Part 7 – Triaxial Tests on Soils
- IS 2720 (Part 11) – Shear Strength of Soils

AZA LAB UNIVERSE

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0905
Measurement Type	Pore Water Pressure
Maximum Pressure Capacity	20 kg/cm² (≈2000 kPa / 2 MPa)
Pressure Measurement	Dial Gauge / Digital Pressure Transducer
Construction Material	Brass / Stainless Steel with durable components
Components Included	Gauge/Transducer, Valves, Tubing, Fittings
De-airing System	Integrated
Connections	Compatible with standard lab systems
Mounting	Bench-top
Compatibility	Triaxial, Consolidation, Permeability Systems
Compliance	ASTM D4767, ASTM D2850, BS 1377 Part 7, IS 2720