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PARTICLE DENSITY BY GAS JAR METHOD (END-OVER-END SHAKER) AZA0885

The AZA0885 Particle Density Test Set is a precision laboratory system designed for determining the specific gravity (particle density) of fine-grained soils, particularly silts and clays.

The apparatus operates on the Gas Jar Method with End-Over-End Shaker, a standardized technique specified in IS 2720 (Part 3 / Section 1) and BS 1377.

This method minimizes air entrapment and ensures uniform suspension of soil particles, resulting in highly accurate, repeatable, and operator-independent results.

The system is ideal for professional geotechnical laboratories, research institutions, and construction quality control applications.

Key Features

- Fully compliant with IS 2720 (Part 3) & BS 1377
- End-over-end mechanical shaker for uniform mixing
- Minimizes air entrapment, ideal for cohesive soils
- Transparent gas jar for visual observation
- High accuracy and repeatability
- Robust, corrosion-resistant construction
 - Reduced operator dependency
 - Designed for continuous laboratory use
 - Trusted Azalab engineering quality

Compliance

- IS 2720 (Part 3 / Section 1)
- BS 1377





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TECHNICAL SPECIFICATION

Parameter	Specification
Model Number	AZA0885
Apparatus Type	Particle Density Test Set
Test Method	Gas Jar Method with End-Over-End Shaker
Standard Compliance	IS 2720 (Part 3 / Section 1), BS 1377
Shaker Type	End-over-end, motor-driven
Jar Capacity	1 Liter (custom sizes available)
Jar Material	Borosilicate glass / Polycarbonate
Power Supply	230 V, 50 Hz (110 V optional)
Construction	Powder-coated steel shaker frame
Application	Specific gravity of fine-grained soils
Accuracy	High repeatability with uniform mixing



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TECHNICAL SPECIFICATION

Parameter	Specification
Operation	Automatic mechanical rotation
Durability	Designed for continuous laboratory use
Maintenance	Minimal maintenance required

Optional Accessories

- Thermometer for temperature monitoring
- Additional gas jars (spare units)
- Calibration accessories

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