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SAND DENSITY CONE APPARATUS AZA0881

The AZA0881 Sand Density Cone Apparatus is a precision field-testing system designed for the accurate determination of in-situ soil density (dry unit weight) using the Sand Cone Method.

Widely used in civil engineering and geotechnical applications, this apparatus provides realistic, site-based compaction verification, ensuring that soil meets required specifications for stability, load-bearing capacity, and long-term performance.

The system is engineered for accuracy, portability, and durability, making it ideal for routine field testing and quality control operations.

Key Features

- Accurate determination of in-situ soil density
- Suitable for fine-grained and granular soils
- Double-cone assembly for precise sand discharge
- Controlled flow via precision valve mechanism
- Available with 3 L or 6 L calibrated container
- Complete field-ready testing kit
- Rugged, corrosion-resistant construction
- Easy assembly, handling, and transport
- Proven Azalab reliability and performance

Compliance

- ASTM D1556 – Sand Cone Method
- Compatible with international geotechnical testing practices





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TECHNICAL SPECIFICATION

Parameter	Specification
Model Number	AZA0881
Apparatus Type	Sand Density Cone Apparatus
Test Type	Field Density Test
Method	Sand Cone Method
Application	In-situ soil density determination
Double Cone Assembly	Upper cone (sand reservoir) + lower inverted cone
Flow Control	Precision valve for controlled sand discharge
Calibrated Container Capacity	3 Liters / 6 Liters (optional)
Material of Construction	Durable metal construction
Base Plate	Rigid, flat plate for stable positioning
Portability	Compact and field-friendly design



UNIVERSE TECHNICAL SPECIFICATION

Parameter	Specification
Accuracy	High repeatability with proper calibration
Durability	Suitable for rugged field conditions
Maintenance	Minimal maintenance required
Compliance	ASTM D1556

