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## **RAPID MOISTURE METER AZA0874**

The AZA0874 Rapid Moisture Meter from Azalab is a compact, robust, and field-proven instrument engineered for the rapid determination of moisture content in soils, aggregates, sand, and other granular materials. It is specifically designed for on-site quality control applications in civil engineering, road construction, earthworks, and geotechnical investigations, where real-time moisture data is critical for operational decisions.

Utilizing the calcium carbide gas pressure method, the instrument delivers accurate results within minutes, eliminating the delays associated with conventional oven-drying techniques. Its self-contained, portable design makes it highly suitable for remote and demanding field environments.



### **Key Features**

- Rapid on-site moisture determination
- Proven calcium carbide gas pressure method
- Direct moisture % readout (no calculations required)
- No electricity or batteries needed
- Results within 5–10 minutes
- Compact, rugged, and portable design
- Suitable for harsh field conditions

### **Applications**

- Earthwork and embankment compaction control
- Road and pavement construction
- Aggregate and sand moisture testing
- Concrete batching and mix control
- Routine geotechnical field investigations



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## TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0874
Measurement Principle	Calcium Carbide Gas Pressure Method
Test Type	Field / On-site
Moisture Range	0–25% or up to 0–50% (depending on gauge)
Accuracy	±0.2% (low range), ±0.5% (higher range)
Reaction System	Airtight pressure vessel
Gauge	Direct % moisture calibrated dial
Power Requirement	None
Standards	ASTM D4944, IS 2720 (Part 2)
Construction	Rugged aluminum alloy body



## UNIVERSE TECHNICAL SPECIFICATION

### Main Components

Component	Specification
Pressure Vessel	Heavy-duty aluminum alloy, airtight
Pressure Gauge	Calibrated in % moisture (D2 Large scale)
Sealing Mechanism	Secure clamp system
Mixing Media	Chrome steel balls
Weighing Balance	Portable digital (0.01 g readability)
Accessories	Scoop, cleaning brush

### Reagent & Power

Parameter	Specification
Reagent	Calcium carbide (supplied separately)
Power Requirement	None



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## **TECHNICAL SPECIFICATION**

### **Portability & Construction**

<b>Parameter</b>	<b>Specification</b>
Construction	Rugged ZI 3027 frame
Carrying Case	Durable field case

### **Scope of Supply**

- Speedy moisture meter (pressure vessel with gauge)
- Chrome steel mixing balls
- Portable digital weighing balance
- Measuring scoop
- Cleaning brush
- Carrying case
- Instruction manual

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