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## **SPEEDY MOISTURE ZI 3027 METER (D2 LARGE)**

### **AZA0873**

The AZA0873 Speedy Moisture Meter (ZI 3027 – D2 Large) is a high-performance field instrument designed for rapid and accurate determination of moisture content in soils, aggregates, sand, and similar construction materials.

Utilizing the calcium carbide gas pressure method, the instrument provides immediate moisture readings, making it indispensable for earthwork compaction control, road construction, and geotechnical field testing.

The D2 Large configuration enables testing of larger sample sizes, ensuring more representative and reliable results—particularly for coarse and heterogeneous materials.



#### **Key Features**

- Rapid Moisture Determination

Results within minutes for real-time decision-making

- D2 Large Sample Capacity

Improved accuracy for coarse and heterogeneous materials

- Direct Percentage Readout

Calibrated gauge eliminates manual calculations

- Fully Portable & Self-Contained

No electricity or batteries required

- Robust ZI 3027 Construction

Designed for heavy-duty field conditions

- Simple Operation

Minimal training required



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## TECHNICAL SPECIFICATION

Parameter	Specification
Model Number	AZA0873 (ZI 3027)
Apparatus Type	Speedy Moisture Meter – D2 Large
Measurement Principle	Calcium Carbide Gas Pressure Method
Test Type	Field / On-site
Compliance	ASTM D4944, IS 2720 (Part 2 – equivalent principles)

## Performance

Parameter	Specification
Moisture Range	0–20% / up to 0–50% (gauge dependent)
Sample Size	20 g or 26 g (large capacity)
Accuracy (Low Moisture)	±0.2%
Accuracy (High Moisture)	±0.5%



## 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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