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## **DENSITY OF FRESH AND HARDENED CONCRETE**

### **AZA1132**

The Azalab Density Apparatus (AZA1132) is a precision-engineered system designed for determining the density of both fresh (plastic) and hardened (cured) concrete in accordance with IS 1199 and ASTM C642.

Density is a critical parameter influencing concrete strength, durability, and overall structural performance. The AZA1132 enables accurate evaluation across all stages of concrete—from fresh mix verification to hardened specimen assessment—ensuring consistency, quality, and compliance in construction and laboratory environments.

#### **Key Features**

##### Dual-Mode Testing Capability

- Suitable for both fresh and hardened concrete density measurement

##### High Measurement Accuracy

- Uses weight–volume and displacement principles

##### Standards Compliant

- Conforms to IS 1199 and ASTM C642

##### Robust Construction

- Manufactured from corrosion-resistant materials

##### Portable Design

- Ideal for laboratory and on-site applications

##### User-Friendly Operation

- Simple setup, testing, and maintenance





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**TECHNICAL SPECIFICATIONS**

<b>Feature</b>	<b>Description</b>
Model No.	AZA1132
Function	Density of Fresh & Hardened Concrete
Standards	IS 1199, ASTM C642
Test Volume	1 L or 3 L (optional sizes available)
Material	Stainless steel / high-grade plastic
Methods	Weight–Volume (Fresh), Water Displacement (Hardened)
Portability	Yes
Application Area	Lab & Field Testing

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