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DUCTILITY TESTING APPARATUS AZA0956

The AZA0956 Ductility Testing Apparatus from AZALAB is a precision-engineered laboratory instrument designed for the determination of ductility of bituminous materials, including paving grade bitumen, asphalt binders, and modified binders. Ductility represents the ability of a binder to undergo tensile deformation before rupture, making it a critical parameter in evaluating resistance to cracking, flexibility, and long-term pavement durability. The AZA0956 accurately measures the elongation distance (in cm) of a standard briquette specimen under controlled temperature and pulling conditions.



Key Functional Features

- Stainless Steel Water Bath
- Thermostatic Temperature Control
- Circulating Water System
- Motorized Pulling Mechanism
- Precision Lead Screw & Carriage
- Triple Specimen Testing
- Robust Outer Construction

Standards Compliance

The AZA0956 conforms to:

- IS 1208 – Ductility of Bituminous Materials
- ASTM D113
- AASHTO T51
- IP 32 / IP 55



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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0956
Test Type	Ductility Test
Temperature Range	Typically 25°C (adjustable)
Elongation Speed	50 mm/min (standard), 10 mm/min (optional)
Measurement Range	0–100 cm
Resolution	1 mm
Specimen Capacity	3 specimens simultaneously
Water Bath	Stainless steel with heater & circulation
Drive Mechanism	Motorized with reduction gear & lead screw
Power Supply	230 V AC, 50 Hz, Single Phase