# STANDARD TAR VISCOMETER AZA0952

The AZA0952 Standard Tar Viscometer from AZALAB is a robust and widely adopted laboratory instrument designed for the empirical determination of viscosity of cut-back bitumen, road oils, and other fluid bituminous materials.

Viscosity is a critical parameter governing the handling, sprayability, penetration, and coating efficiency of bituminous binders in road construction. The AZA0952 provides a simple, reliable, and standardized efflux-time method, making it indispensable for civil engineering laboratories, asphalt plants, and highway quality control applications.

**Key Functional Features**

Thermally Efficient Bath Design

- Chrome-plated copper construction
- Uniform heating and long service life

Precision Orifice System

- Accurate and repeatable flow measurement
- Multiple orifice options for different viscosity ranges

Stable Temperature Control

- Electric heating with fine control
- Suitable for all standard testing temperatures

Uniform Heat Distribution

- Supplied with insulated stirrer
- Maintains consistent bath temperature

AZA LAB UNIVERSE

## TECHNICAL SPECIFICATION

| Parameter | Specification |
|---|---|
| Model | AZA0952 |
| Test Method | Empirical viscosity by efflux time |
| Applications | Cut-back bitumen, road oils |
| Bath Material | Chrome-plated copper (SS optional) |
| Heating Method | Electric immersion heater |
| Temperature Control | Dimmer stat / Digital controller |
| Temperature Range | 25°C, 40°C, 55°C (up to ~100°C) |
| Test Cup Material | Brass / Stainless steel |
| Orifice Sizes | 10 mm (standard), 4 mm (optional) |
| Valve Type | Ball valve |
| Stirrer | Insulated handle |
| Test Volume | ~50 mL |
| Power Supply | 230 V AC, 50 Hz |
| Timing | External stopwatch |

### Standards & Compliance

The AZA0952 is designed in accordance with:

- BIS practices for empirical viscosity testing
- IP 72 / BS 2000 methods
- Widely accepted MoRTH specifications (India)