FRAASS BREAKING POINT APPARATUS AZA0935

The AZA0935 Fraass Breaking Point Apparatus from Azalab is a precision laboratory instrument engineered for the accurate determination of the Fraass Breaking Point of bitumen and bituminous binders.

This test is critical for evaluating the low-temperature performance and brittleness characteristics of asphalt materials, particularly in regions exposed to cold and sub-zero climatic conditions. It provides essential data for preventing thermal cracking and ensuring long-term pavement durability.

Key Functional Features

- Precision Mechanical Flexing System

Ensures uniform and repeatable bending cycles

Maintains standard flexing frequency for compliance

- Controlled Low-Temperature System

Insulated cooling tube / Dewar flask

Stable and uniform temperature reduction

- Accurate Temperature Measurement

High-precision liquid-in-glass thermometer (ASTM equivalent)

Direct and reliable temperature indication

- Standardized Test Components

Flexible steel plaques (EN 12593 compliant)

Molding plate for uniform film thickness

- Robust Construction

Designed for repeated low-temperature testing cycles

Durable metal and glass assembly

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0935
Test Method	Fraass Breaking Point
Application	Low-temperature behavior of bitumen
Cooling Rate	1°C per minute
Flexing Rate	One flex per minute
Temperature Range	Down to approx. −30°C to −40°C
Temperature Measurement	Liquid-in-glass thermometer
Cooling System	Insulated glass tube / Dewar flask
Test Specimen	Steel plaques (EN 12593)
Film Thickness Control	Molding plate
Construction	Metal + glass
Standards	EN 12593
Design	Benchtop