

Asphalt Float Tester for Material Consistency

This asphalt float tester determines the consistency of asphalt materials. It measures the time it takes for a plug of asphalt to sink a specified distance in water at a controlled temperature.



Product Overview

Precision Asphalt Consistency Analysis

The Asphalt Float Tester is a specialized laboratory instrument engineered to determine the consistency of residue from slowly solidifying liquid petroleum asphalt distillation and coal pitch. By measuring the time it takes for a sample to soften and break under controlled water bath conditions, this device provides critical data on material flow characteristics. It also functions as a versatile constant temperature bath, offering high accuracy for demanding highway engineering quality control requirements.

Technical Specifications

Power Supply	AC 220 V (-5%~+10%), 50 Hz
Total Power Consumption	2000 W
Heating Power	1300 W

Bath Parameters

Bath Interior Dimensions	370 x 300 x 300 mm
Bath Water Capacity	28 L

Performance Metrics

Temperature Control Range

5 °C Min Temperature	80 °C Max Temperature
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Temperature Accuracy	±0.1°C
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Component Specifications

Standard Components

Component	Thickness	Weight
Floating Disk	1.4mm ±0.1mm	37.9g ±0.2g
Copper Tube	1.4mm ±0.1mm	9.8g ±0.2g

Physical Attributes

Overall Dimensions	750 x 540 x 580 mm
Net Weight	30 kg

Operating Environment

Operating Limits

- Ambient temperature: d 30°C
- Relative humidity: d 85%