

# Rotational Viscometer

This rotational viscometer is designed to measure the viscosity of fluids. The instrument utilizes a rotating spindle immersed in the fluid, measuring resistance to determine viscosity.



## Overview

### Precision Viscosity Measurement

This rotational viscometer is a precision instrument designed for determining the absolute viscosity of Newtonian liquids and the apparent viscosity of non-Newtonian liquids. Built to comply with industry standards for asphalt and bituminous mixture testing, it is ideal for analyzing asphalt, hot melt adhesives, paraffin, high polymers, and other industrial fluids. The device features a user-friendly interface, reliable performance, and requires only small sample volumes for accurate testing.

## Performance Metrics

### Measurement Range

**100 mPa-s**

Minimum Range

**2000000 mPa-s**

Standard Maximum Range

### Measurement Error

±2% (F-S); ±3% (F-S) for No.30 spindle

## Technical Specifications

### Spindle Speeds

- 0.5
- 1
- 2
- 5
- 10
- 20
- 50

### Included Spindles

No.21, No.27, No.28, No.29

### Optional Spindle Available

No.30

## Operating Environment

### Ambient Conditions

Parameter	Range
Ambient Temperature	5°C~35°C
Relative Humidity	d 80%

Temperature Control Range	Room temperature to 200°C
Temperature Control Accuracy	0.1 °C
Sample Chamber Volume	20 ml
Power Supply	AC 220V±10%, 50 Hz