

Rotational Viscosity Meter

This rotational viscometer is a precision instrument for measuring fluid viscosity. It uses a rotating spindle immersed in the fluid to measure resistance and determine viscosity.



Overview

Precision Viscosity Measurement

This rotational viscometer is engineered for determining the absolute viscosity of Newton liquids and apparent viscosity of non-Newton liquids. Designed in compliance with industry standards for asphalt and bituminous mixture testing, it is a versatile solution for analyzing asphalt, hot melt adhesives, paraffin, and high polymers. The instrument offers a sensitive, reliable, and convenient testing experience with minimal sample requirements.

Technical Specifications

Measurement Range

100 mPa·s

Min Range

200000 mPa·s

Max Range

Spindle Configuration

- No. 21
- No. 27
- No. 28
- No. 29

Spindle Speeds 5 RPM, 10 RPM, 20 RPM, 50 RPM

Measurement Error ±1% (F·S)

Sample Chamber Volume 20 ml

Temperature Control

Temperature Range Room temperature to 200°C

Temperature Accuracy ±0.1°C

Operating Environment

Power Supply AC 220V±10%, 50 Hz

Ambient Temperature 5°C to 35°C

Max Relative Humidity 80 %

Compliance & Usage

Compatible Materials

Asphalt • Hot Melt Adhesive • Paraffin • High Polymer

Compliance Standard

T0625 Asphalt Rotation Viscosity Test (Brookfield Viscometer Methods)