

Rotational Viscosity Meter

This rotational viscometer is designed to measure fluid viscosity using a rotating spindle. The resistance encountered by the spindle indicates the fluid's viscosity.



Overview

Precision Rotational Viscosity Measurement

This rotational viscosity meter is engineered for high-precision measurement of apparent viscosity across a wide range of industries, including highway engineering, cosmetics, food, and pharmaceuticals. Compliant with industry standards such as ASTM D4402, the instrument offers robust temperature control and a broad measurement range. Its versatile design supports testing for materials ranging from highway asphalt to hot melt adhesives, oil grease, and paraffin.

Technical Specifications

Measurement Range	25 mPa·s to 10,000,000 mPa·s (extendable to 20,000,000 mPa·s with No.30 spindle)
Spindle Speed	100 RPM
Temperature Control Range	25°C to 200°C
Temperature Accuracy	0.1 °C
Measurement Error	± 2% (F·S); ± 3% (F·S) for No.30 spindle
Sample Chamber Volume	20 ml

Equipment Details

Standard Spindles

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

Optional Accessories	No.30 Spindle
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Operating Environment

Power Supply	AC 220V ±10%, 50 Hz
Ambient Temperature	5°C to 35°C
Relative Humidity	d 80%

Key Performance Metrics

Performance Metrics

200 °C

Max Temperature

20 ml

Sample Volume

100 RPM

Max Speed