

## RV-SSR-H High-Temperature Viscometer

The high-temperature viscometer adopts a coaxial center structure, requiring only 8-13ml of sample and providing rapid and precise temperature control. The full range and linearity of each gear are calibrated through a PC interface using standard samples of different viscosities, ensuring high precision and repeatability of the instrument. With a wide measurement range, it is suitable for testing different materials.



### Main features:

1. The measurement data is directly displayed on the LCD screen, eliminating the need for secondary calculation, and supports interchangeable display in Chinese/English;
2. Utilizing microcomputer-driven technology and imported stepper motors, it ensures precise, stable, and reliable speed;
3. Utilizing switching power supply technology, the voltage and frequency range is wide, and fluctuations in the power supply will not affect measurement accuracy;
4. The viscosity display resolution is accurate to 0.1% of the full range;
5. It features a timing measurement function, which is highly practical for detecting non-Newtonian liquids;
6. A temperature probe can be selected to measure the temperature of the tested sample in real time;
7. Equipped with an automatic scanning function, the instrument can automatically recommend the appropriate combination of rotor and rotational speed;
8. It can automatically display the maximum viscosity range measurable for the selected combination;
9. Equipped with a printing interface, it can be directly connected to a micro printer to print various data. A printer needs to be selected and equipped;
10. Supports multiple unit conversion displays, including viscosity in Pa.s/mPa.s/cP/P and temperature in °C/°F;
11. Supports three measurement end condition settings: time, temperature, and torque, meeting the requirements of different customers;
12. Supports 37 types of stepless speed adjustments, enhancing test accuracy;
13. Temperature control range: room temperature plus 10°C - 250°C (300°C heating furnace can be optionally equipped)

### Detailed technical parameters:

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                     | RV-SSR-H                                                                                                                         |
| <b>Display mode</b>              | Liquid crystal display                                                                                                           |
| <b>Rotational speed</b>          | 0.3、0.5、0.6、1、1.5、2、2.5、3、4、5、6、7、8、9、10、12、14、15、16、18、20、25、30、35、40、45、50、55、60、65、70、75、80、85、90、95、100RPM 37 types in total |
| <b>Spindle</b>                   | 21,27,28,29# (Standard configuration)                                                                                            |
| <b>Range (mPa.s)</b>             | 50 - 3.3M<br>21# : 50-167K<br>27# : 250-834K<br>28# : 500-1.7M<br>29# : 1K-3.3M                                                  |
|                                  | K=1000 ; M=1,000,000                                                                                                             |
| <b>Sample size</b>               | 21# : 7.8ml<br>27# : 11.3ml<br>28# : 12.6ml<br>29# : 11.5ml                                                                      |
| <b>Test deviation</b>            | ±2% (Newtonian fluid)                                                                                                            |
| <b>Repetitive deviation</b>      | ±1% (Newtonian fluid)                                                                                                            |
| <b>Temperature Control Range</b> | RT+10°C - 250°C (300°C Optional configuration )                                                                                  |
| <b>Precision</b>                 | 0.1°C                                                                                                                            |
| <b>Print Interface</b>           | Standard configuration<br>(The printer requires the use of a dedicated printer, which can be optionally selected as needed.)     |
| <b>External dimensions</b>       | 300 × 300 × 450 (mm)                                                                                                             |

### Standard configuration:

|                                           |       |                                  |                 |
|-------------------------------------------|-------|----------------------------------|-----------------|
| <b>Host</b>                               | 1 pcs | <b>Spindle</b>                   | 21, 27, 28, 29# |
| <b>Sample container</b>                   | 2 pcs | <b>operation instructions</b>    | 1 pcs           |
| <b>Temperature control device</b>         | 1 pcs | <b>heating furnace</b>           | 1 pcs           |
| <b>Positioning plate</b>                  | 1 pcs | <b>Sample cylinder cover</b>     | 1 pcs           |
| <b>Sample collection and storage tool</b> | 1 pcs | <b>Sample holder</b>             | 1 pcs           |
| <b>Warranty Card</b>                      | 1 pcs | <b>Certificate of Conformity</b> | 1 pcs           |