



ACS Material Equipment Series

ThermalSure[®] Molten Salt Viscometer

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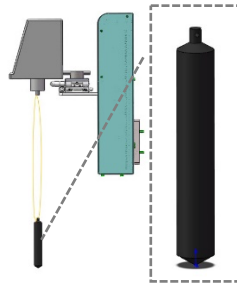
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I. Product Composition

1. Main Machine



Photo of Molten Salt Viscometer



Schematic Diagram of Rotor with Double Wire Suspension Method

II. Product Features

The machine is specialized for molten salts and consists of a heating module, lifting module, electrical control module, water and gas module, measurement module, and a computer. The rotational viscometer, developed based on the rotational method, is mainly used for measuring the viscosity of high-temperature liquid melts. It is available in two models, designed for different sample types: one specifically for molten salts and another for general melt applications.

Product Advantages:

1. The direct measurement method can directly measure the viscosity of the sample.
2. MSLV double-suspension filament connection technology is better suited for viscosity measurements in the range of 2~50cP.
3. MSLV rotor features a targeted design for greater applicability.

4. MRV is benchmarked against imported products, providing a reliable alternative to imported options.

III. Product Specifications

| | |
|------------------------------|--|
| Product Name | ThermalSure® Molten Salt Viscometer |
| Model | ETVMS001 |
| Temperature Range | Room Temperature ~1000°C |
| Heating Rate | 0.1~10°C/min |
| Temperature Control Accuracy | ±1°C |
| Testing Range | 2~50mPa·s (5~30RPM) |
| Testing Accuracy | 2~16mPa·s < ±0.2mPa·s 16~50mPa·s < 5% |
| Testing Environments | Compatible with Protective Gas |
| Power Supply | 220V (50Hz/60Hz) |
| Rated Power | 5kW |
| Overall Dimensions | 920*820*1800mm |
| Configuration Description | Includes 1 main machine, a heating module (imported electric wire), a lifting module, an electrical control module, a chiller, a control computer, a control software, a viscosity measuring head, a measuring thermocouple. |

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