# ACS Material Equipment Series

# ThermalSure® Molten Salt Viscometer




**Contact Information:**

ACS Material, LLC

Address: 959 E Walnut St., Suite 100

Pasadena, CA 91106, USA

Phone: (866) 227-0656

Fax: (781) 518-0284

E-Mail: contact@acsmaterial.com



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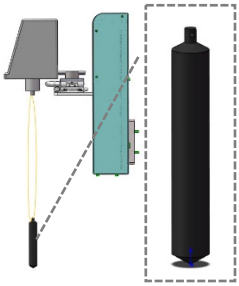
## I. Product Composition

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℃ |
| Heating Rate | 0.1~10℃/min |
| Temperature Control Accuracy | ±1℃ |
| Testing Range | 2~50mPa·s (5~30RPM) |
| Testing Accuracy | 2~16mPa·s < ±0.2mPa·s<br>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. |