



ACS Material Equipment Series

ThermalSure[®] Molten Salt Viscometer

- 1 – Product Composition
- 2 – Product Features
- 3 – Product Specifications

Contact Information:

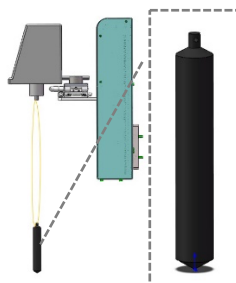
ACS Material, LLC
Address: 959 E Walnut St., Suite 100
Pasadena, CA 91106, USA
Phone: (866) 227-0656
Fax: (781) 518-0284
E-Mail: contact@acsmaterial.com
Revision: 111324

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.

Disclaimer: ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.