



ACS Material Equipment Series

ThermalSure[®] Melt Viscometer

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I. Product Composition

1. Main Machine



Photo of Melt Viscometer

II. Product Features

The machine is a universal melt system and consists of a heating module, lifting module, electrical control module, water and gas module, measurement module, and a computer. Rotational viscosity is a viscosity measurement device developed based on the rotational method, which 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® Melt Viscometer
Model	ETVMT001
Temperature Range	Room Temperature ~1600°C
Heating Rate	0.1~10°C/min
Temperature Control Accuracy	±1°C
Testing Range	50~106mPa·s (0.1~200RPM)
Testing Accuracy	< 3%
Testing Environments	Compatible with Protective Gas/Vacuum
Vacuum Degree	20Pa
Power Supply	220V (50Hz/60Hz)
Rated Power	5kW
Overall Dimensions	600*820*1800mm
Configuration Description	Includes 1 main machine, a heating module (silicon molybdenum rod), a vacuum module, a lifting module, an electrical control module (transformer included), a chiller, a control computer, a control software, a viscosity measuring head, a measuring thermocouple.

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