



ACS Material Equipment Series

ThermalSure[®] Molten Salt Physical Property Comprehensive Tester

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Revision: 103124

I. Product Composition

1. Main Machine



Photo of Molten Salt Physical Property Comprehensive Tester

II. Product Features

The tester is primarily used for high-temperature liquid sample density, surface tension, conductivity, and initial crystallization temperature measurement. It is suitable for molten salts, melts, and other high-temperature nature of the stability of the material of the thermal physical properties of the parameter measurement.

Product Advantages:

1. Integrates multiple parameter measurements into a single device, offering functional consolidation.
2. Modular design and processing allow convenient switching between different parameter tests.
3. Proprietary measurement software with a user-friendly interface and simple operation.
4. Direct sample temperature measurement provides higher accuracy.

III. Product Specifications

Product Name	ThermalSure [®] Molten Salt Physical Property Comprehensive Tester
Model	ETTMS001
Temperature Range	Room temperature ~1000°C
Heating Rate	0.1~10°C/min
Temperature Control Accuracy	±1°C
Testing Environments	Compatible with Protective Gas
Density Test Accuracy	1% (Weigh module resolution: 0.1mg, capacity: 120g)
Conductivity Test Accuracy	±5% (Test mode: Cp- Rp, frequency: 100kHz)
Surface Tension Test Accuracy	±5% (Pressure range: 0~1000Pa, pressure accuracy: ±1% of measured value, pressure repeatability: ±3Pa)
Initial Crystallization Temperature Measurement Accuracy	±1°C
Power Supply	220V (50Hz/60Hz)
Rated Power	5kW
Overall Dimensions	920*820*1800mm
Configuration Description	Includes 1 main machine, a heating module, a lifting module, a suspension module, a measurement module, an electrical control module, a water-gas module, a control computer, a control software.

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