ADVANCE RIKO

ADVANCE RIKO supports research of magnetic/thermoelectric materials and modules.

Seebeck Coefficient and Electric Resistivity Measurement System
ZEM-3 Series

Thermoelectric characterization of a wide range of materials is possible.

*Carbon fiber material
*Non-rare metals with superior environmental performance
*Thin film on a substrate

Sample size: Square or φ2 to 4mm × 5 to 22mmL
Measurement temperature: up to 1000°C
Measurement atmosphere: In low-pressure He gas
Physical properties: Seebeck coefficient, electrical resistivity

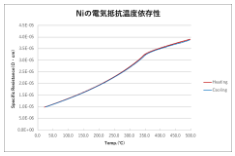
Power Generation Efficiency Characteristics Evaluation System
PEM-2

High-precision measurement of power generation and conversion efficiency of thermoelectric modules

*Cyclic test
*Heat flow rate/Thermal resistance evaluation (Applied Technology)

Module size: 40mm-square etc.
Measurement temperature: up to 800°C
Measurement atmosphere : in vacuum or inert gas
Measured physical properties: power generation, heat flow, conversion efficiency

Mini Lamp Annealer
MILA-5000 Series



For sintering and crystallization of magnetic materials and thin films by rapid heating
It can also be used to evaluate the temperature dependence of electrical resistivity.

*Metallic 3D lamination molding
*Electrical characteristics during restoration and recrystallization of metallic materials
*High temperature electrical resistance monitoring of copper bus bars
*Ohmic contact evaluation of various semiconductor films
*Temperature resistance change of semiconductor memory

Sample size: 20mm-square (Resistivity measurement: 15mmW x 4mmL)
Temperature: 1200°C Max. (Resistivity measurement: 800°C)
Measurement atmosphere : Various atmospheres

We will also respond to customization. Please feel free to contact us at any time.

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