

Electric Heat Resistance Measurement System EHR series



Temperature dependency measurements of insulator samples

This system can measure the temperature dependency of insulators of ceramic, plastic, glass, and other materials.

Applications

- Research and development of glass and semiconductor glass
- Evaluations of the insulation properties of zirconia insulation materials
- Evaluations of the heat resistance of plastic insulators

Features

- The surface leak resistance of a sample plate can be eliminated by setting up a ring-shaped guard electrode, thus allowing accurate measurements.

Specifications

Electric Heat Resistance Measurement System EHR series			
Type	EHR-2000RH	EHR-2000L	EHR-5000
Measurement Properties and Measurement Method	Electrical resistivity/ Direct three-terminal method		
Temperature Range	RT to 1000 °C	-150 °C to 200 °C	RT to 500 °C
measurement range	$10^2\Omega \sim 10^{15}\Omega$		$10^2\Omega \sim 10^{17}\Omega$
Sample Size	ϕ 20 mm x 2 to 5 mm thickness		ϕ 50 mm x 0.5 mm thickness
Measurement Atmosphere	Inert gas flow, air, vacuum (optional)		
Optional	Cooling water circulator		