300°C Heated Stage / 0.55T Sample Kit for the Ecopia HMS-3000 Hall Measurement System

Ecopia offers a heated stage sample kit option for the HMS-3000, complete with two 0.55T magnets on a ball bearing slide. The heated stage includes a 0.1°C resolution temperature controller that can heat samples from ambient to 300°C centigrade. The heating ramp rate is from ambient to 300°C in 30 minutes. Cooling time from 300°C back to ambient temperature, also in 30 minutes. The kit includes two 0.55T magnets on a ball bearing stage which essentially provides the same benefits as the MP55T Easy-Slide Sample Kit, but with the addition of heating capability.

The software included with the HMS-3000 does not have the ability to control the temperature as does the Ecopia HMS-5000 Hall Effect Measurement System does, nor does the addition of the heated stage provide the plotting of temperature vs. resistivity, temperature vs. mobility, temperature vs. carrier concentration, etc., as the HMS-5000 does. However, the HMS-3000 software does include a field in which the user can specify the temperature at which a particular measurement was made. The temperature is set manually and controlled via the digital controller. The heated stage option is compatible with existing HMS-3000 systems or as an option on new systems.

300°C Heated Stage Option for the HMS-3000

Two 0.55T magnets on a ball bearing slide are included.
Ambient to 300°C Sample Kit which includes two 0.55T magnets. Shown with top cover on.

Magnet Introduced from North to South Polarity

Magnet Introduced from South to North Polarity