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 (HT55T3) or up to 500°C (HT55T5). The heating ramp rate for the HT55T3 is from ambient to 300°C in 30 minutes with cooling time from 300°C back to ambient temperature also in about 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 HMS-3000 software saves the data in CSV format. 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 a new system. Sample sizes for the HT55T heated stages is from 5mm x 5mm up to 20mm x 20mm.
Magnet Introduced from North to South Polarity

Magnet Introduced from South to North Polarity