



300°C or 500°C Heated Sample Kit with 0.55 Tesla Magnet for the Ecopia HMS-3000



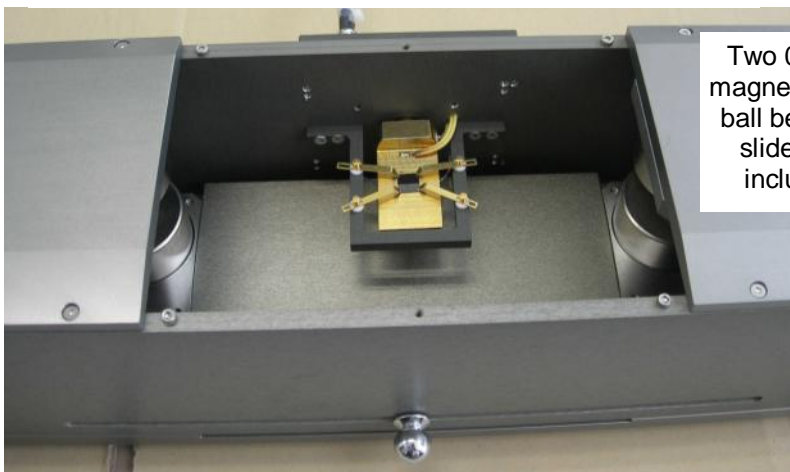
HMS-3000 with standard 0.55T Sample Kit

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.

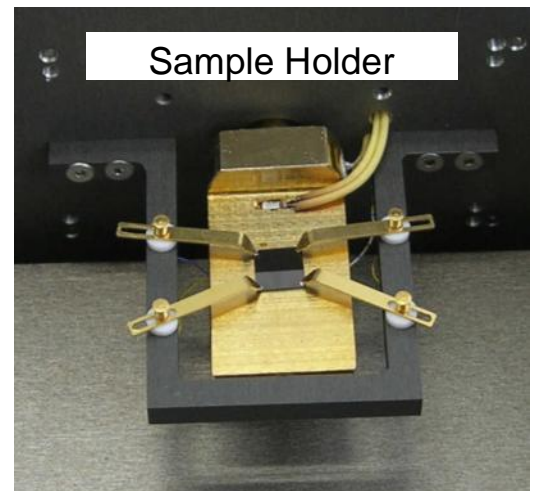
The software included with the HMS-3000 does not have the ability to control the temperature as does the [Ecopia HMS-5000 Hall Effect Measurement System](#) does, nor does the addition of the heated stage provide the plotting of temperature vs. resistivity, temperature vs. mobility, temperature vs. carrier 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.



300°C Heated Stage Option for the HMS-3000



Two 0.55T magnets on a ball bearing slide are included



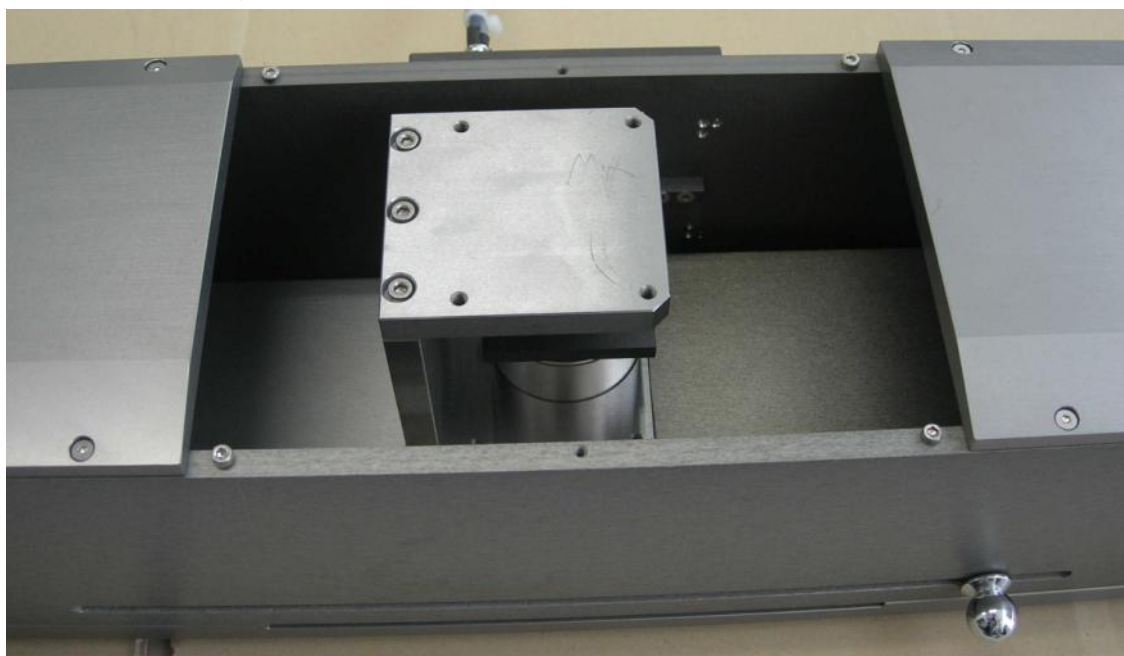
Sample Holder

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 Two

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

