

Heat Flow Meter Machine Requirement

The University of Salford request the supply of a Heat Flow meter machine to measure thermal conductivity rapidly for medium to high density materials. With the below specification:

- Sample Diameter 51mm (2")
- Temperature range $-10^{\circ}\text{C} - 110^{\circ}\text{C}$
- Temperature Resolution $\pm 0.01^{\circ}\text{C}$
- Thermal Conductivity Range 0.1 to 10 W/(mK) (0.633 to 60.3BTU in/hr ft² °F)
- Thermal Resistance Range 0.003 to 0.05 m²K/W
- Heat Flux Transducers Area 25 x 25mm (1 sq. in.)
- Compatible with other FOX machines and software that are present in the lab including the FOX600, FOX300 and FOX800

Packages should include all hardware and software necessary for the lab to be able to install the machine upon delivery.

For any queries please contract Lorna Brooke l.e.brooke@salford.ac.uk and energyhouselabs@salford.ac.uk