

**Product Name :**  
Extended Surface Heat Transfer**Product Code :**  
ATHE0025**Description :**

Extended Surface Heat Transfer

**Technical Specification :**

- This experiment has a thin solid bar with an electric heater at one end.
- It mounts on a base plate with a clear schematic of the experiment layout.
- The bar has a matt black coating for a consistent and predictable emissivity value.
- Thermocouples measure the temperature along the surface of the bar at equally spaced intervals.
- Students use initial test results to predict the temperatures and heat flow along the bar.
- The electric heater and thermocouples connect to sockets on the Heat Transfer Experiments Base Unit.
- Heat conducts along the bar and transfers to the local surroundings by natural convection and radiation.

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