



Product Code . JA-HTLE-7378

Stefan Boltzmann Apparatus

Description

Stefan Boltzmann Apparatus

The apparatus is designed to determine, the Stefan Boltzmann constant.

The copper test disc is introduced at the center of the hemisphere.

The apparatus consists of a hemisphere fixed to a Bakelite plate, the outer surface of which forms the jacket to heat it.

Hot water to heat the hemisphere is obtained from a hot water tank, which is fixed above the hemisphere.

The temperatures of the hemisphere and test disc are measured with the help of temperature sensors.

Experiment:

Determination of Stefan Boltzmann constant and study the effect of hemisphere temperature on it.

