

Product Name :
Stefan Boltzmann Apparatus

Product Code :
Heat Transfer0017



Description :

Stefan Boltzmann Apparatus

Technical Specification :

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.