

Product Name :

Free And Forced Convection From Flat Pin And Fin Plates

Product Code :

Transfer Lab0002

**Description :**

Free And Forced Convection From Flat Pin And Fin Plates

Technical Specification :

Free And Forced Convection From Flat Pin And Fin Plates

A bench top accessory designed to allow students to experimentally investigate both free (natural) convection and forced convection. The accessory includes a small, variable velocity wind tunnel with a digital velocity meter and a central aperture. Three plates with integral heaters and temperature sensors are also supplied that are designed to fit in the central aperture in the wind tunnel.

A heated flat plate with surface thermo couple may be directly compared with a similar

pinned plate and finned plate also fitted with a surface thermo couple.

In addition to expanding understanding of the heat transfer enhancement from extended surfaces, the pinned and finned plates each have three thermo couples arranged at intervals along a fin and a pin. This allows investigation of the temperature distribution along the extended surfaces

Electrical and Electronics

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