Product name:	Product code:
Free And Forced Convection From Flat Pin And Fin Plates	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

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