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Product Name :
Combined Convection And Radiation

Product Code :
LBNY-0005-10200047



Description :

A small-scale accessory designed to demonstrate combined convection (free and forced) and radiation from a horizontal heated cylinder. It consists of a centrifugal fan with vertical outlet duct at the top of which is mounted the heated cylinder.

K-type thermocouples measure the air temperature upstream and the surface temperature of the cylinder.

The air flow rate is measured by a vane type anemometer in the outlet duct.

The air flow is manually adjustable

The accessory is mounted on a PVC baseplate which is designed to stand on the bench top and connect to the Heat Transfer Service Unit without the need for tools.

The air flow is electronically adjustable over the range 0 - 7 m/s by a variable speed fan.

Comprises a heated cylinder mounted in a vertical air duct, with a fan at the base of the duct which can be used to provide a variable air flow over the cylinder.

Heater rating 100 Watt at 24V DC.

Technical Specification :

Combined Convection And Radiation



Laboratory Instrument India

