



Email : sales@laboratoryinstrumentindia.com

Product Name :
Multipurpose Air Duct And Heat Transfer Apparatus

Product Code :
LBNY-0005-125000141



Description :

Insulated air duct with flow straightener
Pressure sensor, combined temperature and humidity sensor
Switch cabinet with digital displays
Radial fan with adjustable flow rate
Air duct for the investigation of the heat transfer in air flows
Use of different heat exchangers in the air duct
Pitot tube with inclined tube manometer to measure velocity distribution and pressure loss.

Technical Specification :

Air duct cross-section: 150x300mm
Fan
Power: 1100W
Nominal speed: 2840min⁻¹
Pitot tube: travel 300mm
Max. Flow rate: 1680m³/h
Max. Pressure difference 1000Pa
Inclined tube manometer: 0...100Pa
Sensor Measuring Ranges
Pressure: 2x 0...10mbar
Temperature: 2x 0...50°C
Humidity: 2x 100% rel. Humidity.



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