



Email : [sales@laboratoryinstrumentindia.com](mailto:sales@laboratoryinstrumentindia.com)

**Product Name :**  
Airflow Study Unit

**Product Code :**  
LBNY-0005-10300095



#### **Description :**

The air flow rate can be measured with various measuring inserts such as a nozzle/orifice, Pitot tube or iris diaphragm. The measuring inserts are connected to a multiple tube manometer using hoses; the pressure differences can then be read on the manometer. The system offers comprehensive investigations on air flow. A fan draws air through a section of pipe. The tube manometer can be tilted to increase precision and can be fixed in various positions. Open jet experiments can be performed at the fan outlet. Measuring glands are also fitted to the pipe section at evenly spaced intervals; these can be used for determining pipe friction, pressure losses or velocity profiles.

#### **Technical Specification :**

Pipe section and diverse measuring inserts along with a 16-tube manometer for pressure measurements  
Pipe section with evenly spaced measuring glands  
Study unit for comprehensive investigations on air flow  
Adjustable Pitot tube for open jet experiments on the fan outlet  
Radial fan with speed adjustment by frequency converter  
Various fittings included.

#### **Technical Data:**

Radial fan 550W  
Tube manometer, 16 tubes  
Max. Differential pressure 730Pa  
Max. Volumetric flow rate 1320m<sup>3</sup>/h  
Measuring range 600mmWG

---

Iris diaphragm, d adjustable from 20..70mm

Area distribution 10:5:2:1

Aperture d=30mm

Orifice/nozzle d=50mm

Dimensions and Weight:

l x w x h: 3270 x 790 x 1338 mm

Weight: approx. 151 kg.



**Laboratory Instrument India**