

## Axial Fan Apparatus (EDC-FM-121)

### EXPERIMENTAL DATA:

- Characteristic curve of an axial fan
- Demonstration of flowrate vs pressure
- Effect of fan speed on pressure and flowrate
- Input, Output power and efficiency



### DESCRIPTION:

This bench-top experimental unit familiarizes students with basic experimental characteristics of an axial fan. It consists of an industrial axial fan along-with pressure and temperature sensors on the inlet and outlet ducts. A controllable louvre allows to change the intake airflow.

Students can read the variable off the built-in display or can connect the unit to a computer (not supplied) for graphical visualization of the variables.

### TECHNICAL DATA:

- Centrifugal Fan with speed control
- Inlet Duct
  - Diameter: 300mm
  - Length: 350mm
- Outlet Duct
  - Diameter: 300mm
  - Length: 350mm
- Flowrate: Upto 1900CFM
- Temperature and Pressure Sensors
- Controllable Louvre

### DIMENSIONS AND WEIGHT:

L x W x H (mm): 1100 x 400 x 600

Weight: 43 kg

### SCOPE OF DELIVERY:

- 1 x EDC-FM-121
- 1 x USB Cable
- 1 x Instructional Manual