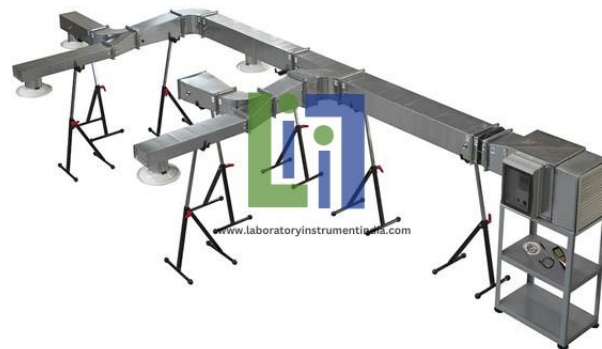




Email : sales@laboratoryinstrumentindia.com

Product Name :
Training Pilot Plant For Balance Of Ventilation Networks

Product Code :
LBNY-0005-14100013



Description :

The Training Pilot Plant For Balance Of Ventilation Networks allows realistic field evaluation of parameters such as the static pressure and air speeds at different points in the system.

Training Pilot Plant for Balance of Ventilation Networks, for the advanced study of the operation of a modern ventilation, thermo-ventilation and air conditioning installation.

This will allow students to diagnose problems with the airflow and pressure losses in a ventilation or air conditioning network.

The Training Pilot Plant For Balance Of Ventilation Networks has been designed to allow the students to evaluate the correct ventilation network balance and how unbalanced systems can cause incorrect heating or ventilation in any of the outlet points of the system.

Experiments:

Study of the components of a ventilation system including:

Connection of the different system components and verification of the system operation

Field measurements of the static, dynamic and total pressures

Calibration dampers

Supply grilles

Fan

Ducts

Exhaust grilles.

Field measurements of the air speed at different points in the system

Calibration of dampers to ensure consistent pre-set values of room air flow are achieved

Localised and distributed pressure losses

Loss coefficients.

Technical Specification :

System components include:

Centrifugal fan

Different sections of rectangular ducting

Special duct pieces convergent and curve

Manual damper

Diffusers and entry grille with calibration damper

Anti-vibration joint

Exhaust grilles.

Portable hand-held instrument including Pitot tube and vane anemometer probe to measure static, dynamic and total pressure and air speed

Electrical distribution board including:

Electrical mains analyser

Fan speed control

Thermomagnetic ELCB

Power-on warning LED.



Laboratory Instrument India