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Product Name :
Flow Of Compressible Fluids

Product Code :
LBNY-0005-103000209



Description :

Investigate flow of compressible fluids
Transparent measuring objects with connectors for pressure measurement provide insight into the Internal structure
Pressure losses in subsonic flow in pipe elbows and various pipe sections
Measuring nozzle for determining the mass flow
Subsonic and transonic air flow
Variable speed on the radial fan for adjusting the mass flow
Record fan characteristic curve using a throttle valve
Digital displays for pressures, velocity and speed
Minimised turbulence by drawing in air and optimum arrangement of the measuring objects
Orifice for determining volumetric flow rate by differential pressure measurement
Pressure curve at subsonic and transonic nozzle flow.

Technical Specification :

Technical Data:

Radial fan
Max. power consumption: 1,6kW
Max. volumetric flow rate: 206m³/h
Max. speed: 34000min⁻¹
Max. head: 271mbar
Measuring objects
Pipe section: 1m, diameter: 16, 24, 34mm

90 pipe elbow
2 nozzles, inner diameter: 12...34mm
With gradual enlargement (de Laval nozzle)
With sudden enlargement
Throttle valve, diameter: 34mm
Orifice with orifice disks, diameter: 12, 19, 25, 32mm.



Laboratory Instrument India