

Product Name :
Flow Visualisation Wind Tunnel

Product Code :
NLAB-TECHNICALAB30013



Description :

Flow Visualisation Wind Tunnel

Technical Specification :

Versatile for class demonstrations student experiments and research projects.

Provides a steady non-turbulent flow.

Study air flow around various shapes using smoke traces.

Technical specifications

This is a combined wind tunnel and smoke generator powered by a synchronous a.c. motor driving a centrifugal blower and capable of producing wind speeds of 10 m/s in the test section.

Low turbulence air flow is achieved by the use of 3 gauze screens, a fine honeycomb and a 9:1 contraction.

The test section is 25mm x 250mm x 250mm and has a viewing area that can be illuminated by an integral strip light.

Models are mounted in the viewing area on a rotatable support.

Provision is made for a smoke rake immediately before the contraction. Smoke is produced by the atomisation of a heated, medicinal quality, white oil in an air stream.

The resulting vapour is non-hazardous and gives a highly visible smoke ideal for photography. A basic set of models is provided.

A technical manual including product description installation operation and maintenance manual.

Naugralabequipments

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