

Product Name :
Aerodynamics Trainer

Product Code :
DM154



Description :

Aerodynamics Trainer

Technical Specification :

Aerodynamics Trainer The trainer includes a radial fan, which can be used to generate flow velocities up to 40m/s. The speed is infinitely adjustable by using a frequency converter. A stabilization tank with flow straightener ensures a consistent, low-turbulence and reproducible flow in the measuring section. A carefully shaped nozzle provides a largely homogeneous velocity distribution of the air flow. The accessory is attached using quick release fasteners and can be interchanged quickly and easily. Measuring points along the measuring section allow pressure and velocity measurements to be taken. The tube manometers are used to show the pressures clearly. Aerodynamics experiments in the fields of flow around, incident flow and flow through models, as well as further experiments in the field of steady incompressible flow. Vertical measuring section with flow straightener and nozzle Radial fan infinitely variable via frequency converter Thermometer for measuring air temperature Accessory securely attached with quick release fasteners 16 tube manometers for displaying pressures Inclination of tube manometers up to 1/10 Accessories for the field of flow around bodies: boundary layers, drag forces, COANDA effect, visualization of streamlines Accessories for the field of steady incompressible flow: Bernoulli's principle, flow in a pipe elbow, free jets.

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