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Product Name:

Subsonic Wind Tunnel

Product Code: CHINAELABC3090003



Description:

Subsonic Wind Tunnel

Technical Specification:

Saves time and money compared to full-scale wind-tunnels or airborne laboratories

Operates at meaningful Reynolds numbers

Compact, open-circuit suction design

Wide variety of experiments in aerodynamics

Comprehensive selection of optional instrumentation, models and ancillaries

High levels of safety

Controls and instrumentation conveniently mount on a separate, free standing frame

Experiments

A wide variety of subsonic aerodynamics experiments (some need ancillaries), including:

Flow past bluff and streamlined bodies with pressure and velocity observations in the wake

Investigations into boundary layer development

Influence of aspect ratio on aerofoil performance

Performance of an aerofoil with flap, influence of flap angle on lift, drag and stall

Pressure distribution around a cylinder under sub and super-critical flow conditions

Study of characteristics of models involving basic measurement of lift and drag forces

Study of the characteristics of three-dimensional aero foils involving measurement of lift, drag and pitching moment

Study of the pressure distribution around an aerofoil model to derive the lift and comparison with direct measurements of lift.

Drag force on a bluff body normal to an air flow

Available Other :-Subsonic Wind Tunnel Supersonic Wind Tunnel (Intermittent) Supersonic Wind Tunnel (Continuous)



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2/2