Email : sales@laboratoryinstrumentindia.com

Product Name :	**Product Code :**
Bench Top Wind Tunnel	LBNY-0005-1370008

Description :

A bench-mounting metal frame holds all parts of the wind tunnel in one compactunit. Air enters the tunnel through an aerodynamically designed effuser andhoneycomb flow straightener that accelerates the air linearly. The Bench-Top Wind Tunnel offers a complete system ready foraerodynamic experimentation. It uses an electronic force sensor to measure the lift or drag forces on modelsfitted to the Working Section. It has a clear digital display giving a directreading of the measured force value, for real-time data collection. It then entersthe working section and passes through a grille before moving through a diffuser and then to a variable-speed fan. The grille protects the fan from damage byloose objects. A range of models and all necessary instrumentationare included to provide accurate results, suitable for undergraduate study andresearch projects. Pitot tubes attach to the working section and connect to aliquid manometer so students can analyse pressure at different positions andcalculate air speed. supplies a two-component balance with the Wind Tunnel. A controller with an electronic drive allows theuser to vary the fan speed accurately from zero to full speed. The electronicdrive keeps the chosen speed constant. The air leaves the fan, passes up through a silencer unit andthen back out to atmosphere.

Features:
Selection of models included for studies of drag andpressure profiles
Transparent Working Section for a full view of the test area
Electronic controller for variable air velocity
Compact, open-circuit suction design
Saves time and money compared to full-scale wind-tunnels orairborne laboratories
Two-component balance with digital display for lift and dragmeasurement.

Technical Specification :

Maximum Air Velocity: 35 m.s-1
Working Section: 125 mm x 125 mm .
Nett Dimensions (assembled): 1850 mm long x 560 mm wide x1040 mm high and 80 kg.

Laboratory Instrument India