Email : sales@laboratoryinstrumentindia.com

Product Name :	**Product Code :**
Basic Lift And Drag Balance	LBNY-0005-1370001

Description :

The arm transmits the forceon the test model directly to a strain gauged load cell. The load cell is connected to a readout unit with a digital display, which is powered by adesktop power supply (included). A two-component balance which measures the lift and dragforces on models mounted in Subsonic Wind Tunnel. In addition, the equipment is fully compatiblewith Versatile Data Acquisition System and can quickly and conveniently connectto the frame mounting interface unit. The balance mechanism enablestest models with a rigid support arm to be mounted and held securely inposition in the working section of the wind tunnel. When mounted in the base of the wind tunnel working section, the balancemeasures the drag force only. This is useful for a variety of investigationssuch as wind loadings on tall buildings. To measure the lift and drag forces onmodels the balance mounts on the side of the working section of the windtunnel. The drag force is measured first, and then students rotate the balancemechanism through 90 degrees and repeat the test to measure the lift force. It can also be used to measure dragforces on model vehicles enabling students to determine and comparecoefficients of drag.

Technical Specification :

Power supply output: 12 V d.c.
Typical scale for models: 1/18th
Dimensions (packed for export): 0.045 m3
Weight: Nett: 6 kg Packed: 12 kg
Maximum load: 10 kg (100 N).

Laboratory Instrument India