



Email : [sales@laboratoryinstrumentindia.com](mailto:sales@laboratoryinstrumentindia.com)

**Product Name :**  
Centrifugal Fan Demonstration Unit

**Product Code :**  
LBNY-0005-103000266



#### **Description :**

Supplied with software providing full instructions for setting up, operating, calibrating and performing the teaching exercises. Facilities for logging, processing and displaying data graphically.  
Capable of being linked to a PC (not supplied) via a USB interface console (an essential accessory), which does not require internal access to the computer. Also allows interfacing to other software packages.  
Offers a complete teaching package of coursework and laboratory investigation, complete with a student questions and answers session.

#### **Capabilities of Centrifugal Fan Demonstration Unit**

Measurement of fan efficiency and estimation of impeller power efficiency  
Measurement of constant-speed machine performance in terms of static total Measurement of performance at constant speeds  
pressures, rotor speed and motor shaft power, as a function of inlet flow  
Comparison of student calculations with computer results  
Introduction to similarity laws for scale-up.

#### **Technical Specification :**

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Max Head: 0.7KPa  
Max Flow Rate: 70 l/s typical  
Motor Power rating 550W  
Max fan speed 3000rpm.



**Laboratory Instrument India**