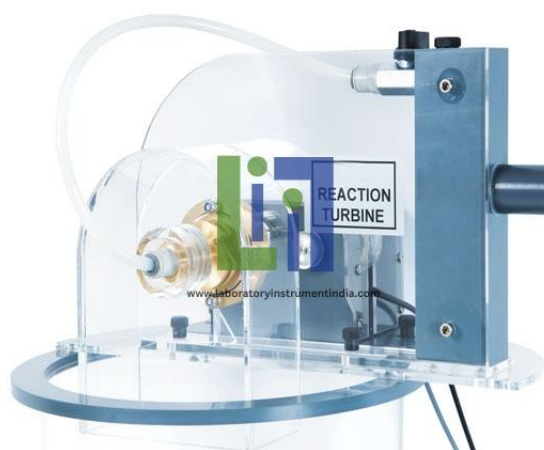




Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Air Operated Reaction Turbine

**Product Code :**  
LBNY-0005-10300082



#### **Description :**

This demonstration unit is part of an equipment series that facilitated investigations on pneumatically driven turbines. The flow rate in the system is measured with a variable-area flowmeter. For the operation of the unit, a mains connection and a compressed air supply are required. Inlet and outlet pressure at the turbine are indicated on easy to read dial instruments. For exact measurements the table unit is equipped with electronic sensors for recording temperature, speed and torque, the values recorded are indicated on digital displays.

#### **Technical Specification :**

Turbine loading using belt brake  
Speed measurement with proximity switch  
Moment measurement using force sensor  
Compressed air supply 300ltr/h  
Wheel diameter 50mm  
Max. Turbine power output 50W at 40000rpm  
Table unit for the investigation of a reaction turbine with air flow  
l x w x h 900x370x750mm, 35kg.

#### **Technical Data:**

Radial impulse turbine  
Max. power: 25 W at 30000 rpm  
Wheel diameter: 50mm  
4 outlet nozzles, diameter of each 1.5mm  
Measuring ranges

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Flow rate measurement 25...315 ltr/min  
Inlet pressure measurement 0...2.5bar  
Outlet pressure measurement 0...0.1bar  
Temperature measurement "20...1100Å°C  
Torque measurement 0...10Ncm  
Speed measurement 0...50000rpm  
Dimensions and Weight  
Lxwxh: 900 x 370 x 750 mm  
Weight: 35 kg.



**Laboratory Instrument India**