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**Product Name :**  
Mini Pelton Turbine Test Set

**Product Code :**  
LBNY-0005-17200017



#### **Description :**

The Mini Pelton Turbine Test Set unit consists of a storage tank on a steel base, a pump, a turbine, a dynamometer, and measuring instruments. The adjustable nozzle direct a water jet to the runner buckets. Mini Pelton Turbine Test Set is a self contained bench top set for studying the Pelton turbine characteristics under various flow rates and heads.

#### **Experiments:**

Power output vs speed for various heads and flow rates.  
Efficiency vs speed for a given head and flow rate.  
Torque vs speed at various heads and flow rates.  
Racing characteristics.

#### **Technical Specification :**

Turbine:  
Construction : Stainless steel runner, nozzle and casing with transparent window.  
Pump : 0.55 kW.  
Maximum power : 40 W.  
Dynamometer : Mechanical brake absorber.  
Measuring instruments :  
Flow rate : Water meter.  
Pressure : Pressure gauge.  
Torque : Spring balances.  
Speed : Portable tachometer.

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Power supply : 220 V 1Ph 50 Hz.



**Laboratory Instrument India**