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**Product Name :**  
Experiments With A Pelton Turbine

**Product Code :**  
LBNY-0005-103000183



**Description :**

Turbine load using the wear-free and adjustable eddy current brake  
Force sensor to determine the torque on turbine shaft  
Turbine to place upon the base unit  
Functioning and operating behaviour of a Pelton turbine  
Constant pressure of the turbine represents in practice the head and is adjusted via  
Transparent housing for observing the Pelton wheel and needle nozzle  
Different nozzle cross-sections via adjustable nozzle needle  
Optical speed sensor for measuring the turbine speed.

**Technical Specification :**

**Technical Data:**

Pelton turbine  
Wheel diameter: 70mm  
Power output: approx. 70W at 2700min<sup>-1</sup>  
Measuring ranges  
Torque: 0..0,5Nm  
Speed: 0...9000min<sup>-1</sup>.

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# Laboratory Instrument India

