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**Product Name :**  
Pelton Turbine

**Product Code :**  
LBNY-0005-103000188



#### **Description :**

Recording the curves of a Pelton turbine and investigating the influence of the nozzle cross-section  
Force sensor at the turbine inlet  
Transparent front panel for observing the operating area  
Non-contact speed measurement at the turbine shaft and force sensor at the brake for measuring the torque  
Loading the turbine by use of a band brake  
Adjustable nozzle needle for setting different nozzle cross-sections.

#### **Technical Specification :**

##### **Technical Data:**

Turbine  
Max. speed: 1500min<sup>-1</sup>  
Output: approx. 350W at 1000min<sup>-1</sup>, 150L/min,  
H=20m  
Pelton wheel  
Medium diameter: 165mm  
14 blades  
Measuring ranges  
Pressure: 0...4bar abs.  
Speed: 0...4000min<sup>-1</sup>  
Torque: 0...9,81Nm.



**Laboratory Instrument India**