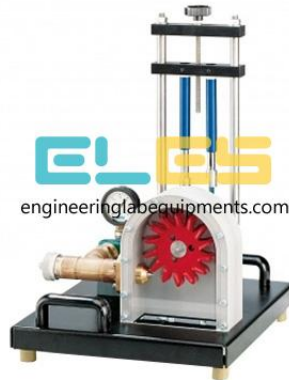


**Product Name :**  
Demonstration Pelton Turbine

**Product Code :**  
ENGLABINGCAG300010



**Description :**

Demonstration Pelton Turbine

**Technical Specification :**

**FEATURES:**

Model of an impulse turbine  
Design and function of a Pelton turbine  
Determination of torque, power and efficiency  
Graphical representation of characteristic curves for torque, power and efficiency  
Function of a Pelton turbine  
Transparent front panel for observing the operating area  
Loading the turbine by use of the band brake  
Adjustable nozzle needle for setting different nozzle cross-sections  
Marking on brake drum for non-contact speed measurement  
Instruments: spring balances for determining the torque, manometer shows pressure at turbine inlet.  
The experimental unit is positioned easily and securely on the work surface.

**SPECIFICATION:**

Pelton turbine :  
Output: 5W at 500min<sup>-1</sup>, approx. 30L/min, H=2m

Needle nozzle :  
Jet diameter: 10mm

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Pelton wheel :  
14 blades  
Blade width: 33,5mm  
External Ø: 132mm

Measuring ranges :  
Force: 2x 0...10N  
Pressure: 0...1bar



**Engineering Lab Equipment India**