

Product Name :
Pelton Turbine Test Rig**Product Code :**
EEMECH45M0064ALTEC™**Description :**

Pelton Turbine Test Rig

Technical Specification :

- The transparent cover enables to observe the water flow, the Pelton wheel and the nozzle during operation.
- The nozzle cross-section and thus the flow rate are modified by adjusting the nozzle needle.
- The turbine torque is determined by force measurement on a band brake and is read on spring balances.
- For measuring the rotational speed, a non-contact speed sensor.
- The water jet is accelerated in a nozzle and hits the Pelton wheel tangentially.
- In the blades on the circumference of the Pelton wheel the water jet is deflected by approximately 180°.
- The impulse of the water jet is transmitted to the Pelton wheel.
- Speed range: 0-2000 rpm
- Brake power: 10W
- Pressure gauge range: 0-25m H2O
- Force balance range: 0-20N x 0.2N

- Number of Pelton buckets: 16
- Diameter of Pelton wheel: 123mm
- Power required: 230v, 50hz, 1ph
- Dimension: 1000x800x1200mm
- Weight: approx. 90 kg



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