



THE LAB EQUIPMENT

Email : [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

Phone: +91-8759245890

**Product Name :**

Pelton Turbine Test Rig

**Product Code :**

SLE/MCE/50



**Website:** <https://www.thelabequipment.com>, **Email:** [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010



THE LAB EQUIPMENT

Email : [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

Phone: +91-8759245890

## Description :

### Features:

- 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.

### Specification:

- **Speed range:** 0-2000 rpm
- **Brake power:** 10W
- **Pressure gauge range:** 0-25m H<sub>2</sub>O
- **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

Contact Science Lab for your Educational School Science Lab Equipments. We are best anatomy model manufacturer, biology lab equipment manufacturer, biology lab instruments exporter, biology lab instruments manufacturer, biology lab instruments supplier, burette pinchclip medium wall india.