



Email : sales@laboratoryinstrumentindia.com

Product Name :
Pelton Turbine Study Unit

Product Code :
LBNY-0005-1600008



Description :

The unit is perfectly self-sufficient, takes up little space and can be easily moved. The hydraulic circuit essentially consists of a high-head centrifugal pump, a flow meter, two pressure gauges, the turbine with the transparent end shield, a supply tank and the connecting pipes. An electrically operated centrifugal pump transfers the water under pressure from the main tank to the turbine, simulating the high drop and low flow rate conditions as are typical of Pelton turbines. Pelton Turbine Study Unit study unit has been designed for a complete range of tests on Pelton type hydraulic turbines. The purpose of the system is to enable the students to work out the power and torque curves of a Pelton turbine. Next to the nozzle control hand-wheel there is a profile reproducing the nozzle and the distributor needle on a 1 to 1 scale. A nozzle and a Double needle with hand-wheel control permit the fine adjustment of the turbine supply flow, whilst a jet diverter makes it possible to prevent exceedingly high runaway velocities.

Technical Specification :

Weights and dimensions:

Dimensions: 1450 x 1130 x 2050 h mm

Weight: empty 500 kg, with load 1000 kg.



Laboratory Instrument India

