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Product Name :
Compact Pelton Turbine Test Set

Product Code :
LBNY-0005-17200018



Description :

The unit consists of a storage tank, a pump, a turbine, a dynamometer, and measuring instruments. The adjustable nozzle direct a water jet to the runner buckets. Compact Pelton Turbine Test Set is a self contained bench top set for studying the Pelton turbine characteristics under various flow rates and heads.

Experiments:

Efficiency vs speed for a given head and flow rate.
Racing characteristics.
Torque vs speed at various heads and flow rates.
Power output vs speed for various heads and flow rates.

Technical Specification :

Turbine :
Stainless steel casing with transparent window to observe hydraulic action.
Construction: Stainless steel runner and nozzle.
Pump: 2.2 kW
Maximum power: 400 W of brake power.
Dynamometer: Water brake absorber.
Measuring instruments:
Flow rate and speed digital display.
Pressure: Pressure gauge.
Torque: Spring balances.
Power supply: 220V 1Ph 50 Hz.



Laboratory Instrument India