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Product Name :
Mini Pelton Turbine Test Set

Product Code :
LBNY-0005-17200017



Description :

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

Experiments:

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

Technical Specification :

Turbine:
Construction : Stainless steel runner, nozzle and casing with transparent window.
Pump : 0.55 kW.
Maximum power : 40 W.
Dynamometer : Mechanical brake absorber.
Measuring instruments :
Flow rate : Water meter.
Pressure : Pressure gauge.
Torque : Spring balances.
Speed : Portable tachometer.

Power supply : 220 V 1Ph 50 Hz.



Laboratory Instrument India