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Product Name :
Mini Axial Flow Propeller Turbine Test Set

Product Code :
LBNY-0005-17200010



Description :

The unit consists of a storage tank, a pump, a turbine, a dynamometer, and measuring instruments. Mini Axial Flow Propeller Turbine Test Set is a self contained bench top set for studying the axial flow propeller 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
Stainless steel casing with transparent guide vane and runner section.
Construction: Metal runner and guide vanes.
Pump: 0.55 kW.
Dynamometer: Mechanical brake absorber.
Maximum power: 15 W.
Measuring instruments:
Flow rate: Water meter.
Pressure: Mercury manometer.
Torque: Spring balances.
Speed: Portable tachometer.

Power supply: 220 V 1Ph 50 Hz.



Laboratory Instrument India