



Email : sales@laboratoryinstrumentindia.com

Product Name :
Mini Kaplan Turbine Test Set

Product Code :
LBNY-0005-1720004



Description :

The unit consists of a storage tank on a steel base, a pump, a turbine, a dynamometer, and measuring instruments. The adjustable guide vanes direct water to the runner. Mini Kaplan Turbine Test Set is a self contained bench top set for studying the Kaplan 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
Non corrosion metal casing with transparent window and runner section.
Construction: Metal runner with adjustable guide vanes.
Dynamometer : Mechanical brake absorber.
Pump : 0.55 kW.
Maximum power : 15 W.
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