



Email : sales@laboratoryinstrumentindia.com

Product Name :
Compact Kaplan Turbine Test Set

Product Code :
LBNY-0005-1720003



Description :

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

Experiments:

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

Technical Specification :

Turbine

Non corrosion metal casing with adjustable guide vanes with transparent window to observe runner and guide vane position.

Construction: Fixed blade metal runner.

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