

HYDRAULICS BENCH ACCESSORIES

This apparatus is to be used with Hydraulics Bench such as HB100 or HB100N (both are separately supplied) for a water supply and flow measurement. Instruction manual is also included.

HB 023P MINI PELTON TURBINE



Photograph includes optional equipment

GENERAL DESCRIPTION:

This equipment demonstrates Pelton turbine characteristics i.e. torque, power and efficiency at different speeds for various heads and flow rates of water. It is to be used with Hydraulics Bench i.e. HB100 or HB100N (separately supplied).

The adjustable turbine nozzle directs water jet to the runner buckets. Nozzle pressure is indicated by a pressure gauge. Torque is measured by a Prony brake with two spring balances. Speed is indicated on a portable tachometer. Flow rate is measured by the Hydraulics Bench measuring tank.

EXPERIMENT CAPABILITIES:

- Efficiency of Pelton turbine
- Characteristic of Pelton turbine
- Turbine torque and power output versus speed and flow rate at various heads.

TECHNICAL DATA:

- Construction : Stainless steel casing with transparent window
- Maximum power : 40 W
- Measuring instruments
 - Torque : Spring balances
 - Speed : Portable tachometer
- Accessory : Inlet hose
- Software for data display and analysis by computer (separately supplied).

OPTIONAL EQUIPMENT:

- Pressure gauge (required accessory).
- Other optional equipment, please contact manufacturer (essom@essom.com)

Net (unassembled) Shipping Dimensions WxLxH : 36 x 45 x 70 cm
Net Weight : Approx. 17 kg