

HB 100 HYDRAULICS BENCH ACCESSORIES

Most of the apparatus below are to be used with HB100 Hydraulics Bench (separately supplied) for a water supply and flow measurement. Learning software is available for most experiments.

HB 023A MINI AXIAL FLOW PROPELLER TURBINE

DESCRIPTION:

This equipment demonstrates axial flow propeller 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 a submersible pump and an HB100 Hydraulics Bench (separately supplied)

The turbine fixed guide vanes direct water to the runner. Inlet-pressure is indicated by a manometer. 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. The apparatus has a hose for connection to the Hydraulics Bench.

TECHNICAL DATA:

- Construction : Stainless steel runner, guide vanes and casing with transparent guide vane and runner section.
- Maximum power : 10 W.
- Submersible pump : 0.37 kW.
- Measuring instruments
 - Pressure : Pressure gauge
 - Torque : Spring balances.
 - Speed : Portable tachometer.

OPTIONAL : HP 011B Mercury manometer, instead of pressure gauge.

Note: Due to transport laws, mercury can not be supplied. Buyer must source it locally.

Net (unpacked) shipping dimensions WxLxH : 30 x 55 x 30 cm

Net weight : Approx. 7 kg



Photograph includes optional equipment