

## ***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 : Metal runner, guide vanes and casing with transparent guide vane and runner section.
- Maximum power : 10 W.
- Submersible pump : 0.37 kW.
- Instruments
  - Pressure : Mercury manometer.

**Note :** Due to transport laws, Mercury cannot be supplied the mercury. Buyer must source it locally.

- Torque : Spring balances.
- Speed : Portable tachometer.

**OPTIONAL** : Pressure gauge instead of mercury manometer.

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

**Net weight** : Approx. 7 kg

