

## ***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 024H OSBORNE REYNOLDS APPARATUS, Horizontal Test Pipe***

#### **DESCRIPTION:**

This equipment provides laminar, transitional, and turbulent flow as predicted by Osborne Reynolds. It is to be used with HB100 Hydraulics Bench (separately supplied)

It consists of a removable clear acrylic tank which is partitioned in half. Water is admitted at the bottom of one half through a diffuser and stilling material. The other half of the tank has an adjustable over flow pipe with a discharge at the bottom. Water from the tank is admitted into a clear horizontal shell inside which is a bell mouth entry with a test pipe. Flow through the test pipe is controlled by a discharge valve. A dye injection system needle discharges the dye to the bell mouth and flow pattern in the test pipe can be observed.

#### **TECHNICAL DATA :**

- Length of test pipe : 720 mm
- Dye reservoir : 1 ea.
- Measuring cup : 1 ea.

**Net (unpacked) shipping dimensions WxLxH** : 40 x 120 x 25 cm

**Net weight** : Approx. 13 kg

