

## 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 016P PITOT TUBE APPARATUS



#### GENERAL DESCRIPTION:

This apparatus is for a study of velocity distribution across pipe section for a water flow in pipe, and for measurement of flow velocity. It is to be used with Hydraulics Bench i.e. HB 100 or HB100N (separately supplied).

The apparatus consists of a total head tube and a static head tube for the Pitot, clear acrylic pipe, inlet and outlet, and an inclined manometer. The total head tube can be moved up or down vertically with a scale for indication of the tube position. Differential pressure is measured by a multiple inclination manometer.

#### EXPERIMENT CAPABILITIES:

- Accuracy of pitot tube meters
- Losses and k value
- Calculation of the coefficient of discharge

#### TECHNICAL DATA:

- Acrylic tube : 34 mm. diameter.
- Total head probe : 1 ea.
- Inclined water manometer : 0-450 x 1 mm graduation.
- Software for data display and analysis by computer (separately supplied).

**Net (unassembled) Shipping Dimensions WxLxH** : 36 x 82 x 19 cm  
**Net Weight** : Approx. 2 kg