

FLOW CHANNEL Mod. HB10/EV

DESCRIPTION

This module enables to study the characteristics of flow in an open channel. The channel is fed with the water coming from the hydraulics bench via a stilling tank that reduces the turbulence of the liquid. The channel made of transparent acrylic material is high and narrow and incorporates weirs of adjustable height at the inlet and at the outlet in order to control the liquid level inside. This equipment is also equipped with a dye injection system that allows a better visualization of the flow on the different hydrodynamic models available in the central part of the channel. The water coming from the flow channel is discharged into the hydraulics bench and it returns to the supply tank of this bench for being recycled.



TRAINING PROGRAM:

- Demonstrating the basic principles of the open channel flow
- Visualization of flow patterns over or around immersed objects of different shape and size

TECHNICAL CHARACTERISTICS:

- Dye injection nozzles: 5
- Dye reservoir capacity: 0.45 l
- Width of channel: 20 mm
- Length of channel: 625 mm
- Depth of channel: 150 mm
- Available hydrodynamic models:
 - broad crested weir
 - narrow crested weir
 - symmetrical aerofoil
 - asymmetrical aerofoil
 - small cylinder
 - large cylinder

Dimensions: 700 × 400 × 800 (h) mm
Weight: 30 kg

REQUIRED

**HYDRAULIC BENCH
MOD. HB/EV OR HB-E/EV
- NOT INCLUDED -**



SUPPLIED WITH

**THEORETICAL-EXPERIMENTAL
HANDBOOK**

