

FLOW OVER WEIRS

Mod. HB3/EV



DESCRIPTION

The module enables to evaluate the characteristics of flow over weirs with different shapes. It consists of 4 weir elements that can be placed at the end of the open channel of the hydraulic bench. The water is feed in the channel through a dispenser in order to reduce liquid turbulence and ensuring a more regular flow. The measurement of level inside the channel is done through a depth gauge that is dropped onto the free surface of water. The used weirs are fastened to the holder mounted at the end of the channel by screws.

TRAINING PROGRAM:

- Demonstration of flow over weirs features with rectangular opening
- Demonstration of flow over weirs features with V opening
- Calculation of discharge coefficient

TECHNICAL CHARACTERISTICS:

- Dimensions of weir plates:
 - height: 160 mm;
 - width of 200 mm
- Rectangular weir
- "V" weir 60°
- "V" weir 90°
- Trapezoidal weir or "Cipolletti" type weirs
- Depth gauge, range: 0-300 mm resolution 0.05 mm

REQUIRED

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



SUPPLIED WITH

THEORETICAL-EXPERIMENTAL
HANDBOOK



OPTIONAL

SPREADSHEET SOFTWARE
 For fluid mechanics equipment
Mod. SW-HB3/EV

