

Flow Over Weirs and Notches (EDC-FM-115)

EXPERIMENTAL DATA:

- Study of head against discharge and Coefficient of discharge
- Study of Rectangular and different angled V-notches
- Investigation of characteristics of flow over rectangular and V-notches
- Comparison of theoretical and measured discharge.



DESCRIPTION:

Flow weirs and Notches Apparatus allows students to do tests on relationships between upstream water level and weir discharge for different shaped notches. Trainer contains two different plate weirs as sharp-crested weirs. The two weirs are typical measuring weirs with defined weir openings: in the Thomson weir the opening is triangular; in weir it is rectangular.

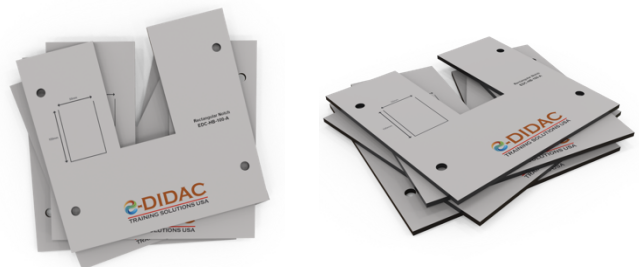
The weirs are installed and screwed in place into the base module (Hydraulic Bench EDC-FM-100). The weir can be installed and replaced quickly and easily. Water from the small experimental flume in it flows over the weir being investigated. A level gauge for detecting the head is included in the delivery. The head is used to determine the discharge, which is then compared to the measured values from trainer.

TECHNICAL DATA:

- Weirs:
 - Material: stainless steel/Malamin
 - Self-sealing.
 - Rectangular Profile:
 - HxW of section: 25*100mm, 50*100mm
 - V-profile:
 - Angle of the section: 60° and 90°.
 - Height of the section: 50mm.
- Depth Gauge
 - Range: 0 to 300mm

DIMENSIONS AND WEIGHT:

L x W x H (mm): 300 x 200 x 300
 Weight: 5 kg



SCOPE OF DELIVERY:

- 1 x EDC-FM-115
- 1 x Instructional Manual