HM 160.77
Flume bottom with pebble stones

Learning objectives/experiments

- fundamentals of open channel flow
  - uniform and non-uniform discharge
- effect of flume bottom roughness on flow behaviour
- flow formulae

Specification

[1] flume bottom for the experimental flume HM 160
[2] flume bottom with pebble stones consisting of two elements

Technical data

Flume bottom
- LxWxH: 2500x84x60mm

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Weight: approx. 5kg (total)

Scope of delivery

2 elements
1 set of accessories
1 manual

Description

■ fundamentals of open channel flow

For the same discharge, the flow behaviour of a river depends mainly on the flume slope and on the flume roughness. Uniform discharge with constant depth is called normal discharge. For a different roughness respectively a different slope, normal discharge changes to non-uniform discharge.

The flume roughness is changed using the flume bottom HM 160.77. The experimental flume HM 160 can be inclined.

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Required accessories

HM 160	Experimental flume 86x300mm