

HM 162.51 VENTURI FLUME



Specification

- [1] Experimental set-up for fitting to the HM 162 Flow Channel
- [2] Experimental set-up consisting of base plate, 2 side pieces, an adjusting screw, mounting bolts and seals
- [3] l x w x h 900x304x450mm

Technical data

Material: Plexiglass
Side element l x w x h: 870x78x430mm
Smallest cross-section, Venturi nozzle: 148mm

Dimensions and weight

l x w x h: 900 x 304 x 450 mm
Weight : approx. 20 kg

Scope of delivery

1 experimental set-up, 1 set of accessories,
1 instruction manual

- **Device for determining the flow rate in rivers and channels**

Technical description

The HM 162.51 is a fully functional model of a Venturi channel measuring device. Its action is produced by a horizontally arranged constriction of the channel cross-section; this is formed using 2 Plexiglass side bodies. In this way the cross-section of the constriction is clearly visible. The flow processes of sub-critical and supercritical flow can be clearly observed. Along with a flow rate measurement, an energy balance after Bernoulli can be clearly demonstrated in conjunction with the HM 162.50 Pitotstatic Tube and HM 162.59.

Experiments

- Flow rate measurement in open flumes using the continuity equation
 - Investigation of flow and supercritical flow states
- For measurement of water levels, the use of the HM 162.54 Level Gauge on the moving HM 162.59 Instrument Carriage is recommended.

Order details

070.16251 HM 162.51 Venturi Flume