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## HM 160 Experimental flume 86 × 300mm

Order code: 5201.07016000



Information about product price on demand

Parameters

Quantitative unit

ks

### GUNT HM 160

Experimental Flume is designed for fundamental studies of open-channel flow and hydraulic engineering applications. It features a 2.5m experimental section, extendable to 5m with the HM 160.10 extension module. The flume inclination is smoothly adjustable to simulate different flow conditions.

The side walls are made of tempered glass, ensuring clear visibility of the experiments, while the corrosion-resistant construction guarantees durability. The inlet element is optimized for low-turbulence flow, ensuring precise results. The experimental section includes 10 evenly spaced threaded holes, allowing for model installation or water level measurement using pressure sensors.

The flume operates in a closed water circuit, featuring a 280L tank, a high-capacity pump, a rotameter, and manual flow adjustment. A wide range of optional hydraulic engineering models can be integrated for advanced research. This high-quality flume system is ideal for research

and education in hydraulic engineering, offering versatile experimental possibilities and precise measurement capabilities.

## Technical Data & Specifications:

### Experimental Section:

- Length: 2.5m (extendable to 5m with HM 160.10)
- Flow cross-section (W × H): 86 × 300 mm
- Inclination adjustment: -0.5% to +3%

### Water Tank:

- Capacity: 280 L

### Pump:

- Max. flow rate in the experimental section: 10 m<sup>3</sup>/h
- Max. pump flow rate: 15 m<sup>3</sup>/h
- Max. pump head: 21 m

### Measuring Ranges:

- Flow rate: 0...10 m<sup>3</sup>/h

### Operating Conditions:

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase
- 120V, 60Hz, 1 phase (UL/CSA optional)

### Included Items:

- Experimental flume with inlet and outlet elements
- Adjustable inclination for controlled flow conditions
- Tempered glass side walls for optimal observation
- Threaded holes for model placement and water level measurement
- Flow-optimized inlet for minimal turbulence
- Closed water circuit with tank, pump, and flow control
- Compatibility with a wide range of hydraulic models

### Dimensions & Weight:

- L × W × H: 4310 × 670 × 1350 mm (2.5m experimental section)
- Weight: approx. 254 kg