



Information about product price on demand

Parameters

Quantitative unit

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## **GUNT HM 165**

Studies in Hydrology unit is designed for investigating precipitation-discharge relationships, soil storage capacity, seepage flows, and groundwater movements. The system features a closed water circuit with an inclinable stainless steel experiment tank, equipped with 19 measurement points for groundwater level detection. The tank includes two wells with open seam tubes, a transparent splash guard, and screens for chamber separation. The adjustable precipitation device has 8 nozzles, allowing for precise water distribution. Various instruments, including tube manometers, a flow meter, and a measuring weir, provide comprehensive hydrological data.

# Technical Data & Specifications:

## Experiment Tank:

- Area: 2 m × 1 m
- Depth: 0.2 m
- Max. sand filling: 0.3 m<sup>3</sup>
- Inclination adjustment: -2.5...5%

## Precipitation Device:

- 8 nozzles, switchable in 2 groups of 4
- Flow rate per nozzle: 1-4.7 L/min
- Square spray pattern

## Pump:

- Power consumption: 0.55 kW
- Max. flow rate: 2000 L/h

## Storage Tank (Stainless Steel):

- Capacity: 180 L

## Measuring Ranges:

- Pressure: 19 × 0-300 mmWC
- Flow rate:
  - Water supply: 150-1700 L/h
  - Water drain: 0-1700 L/h

## Operating Conditions:

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

## Included Items:

- Stainless steel experiment tank with inclination adjustment
- Transparent splash guard and chamber separation screens
- Two wells with open seam tubes
- Adjustable precipitation device with 8 nozzles
- Integrated tube manometers, flow meter, and measuring weir
- Closed water circuit with stainless steel storage tank

## Dimensions & Weight:

- Unit (LxWxH): 2400 × 1100 × 1800 mm
- Empty Weight: Approx. 310 kg

## Required for Operation:

- Sand (1-2 mm grain size)