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HM 141 Hydrographs after precipitation

Order code: **5201.07014100**

Information about product price on demand

Parameters

Quantitative unit	ks

GUNT HM 141

Hydrographs After Precipitation system is designed for investigating the effect of precipitation on soils. It features a stainless steel experimental tank with a transparent splash guard for visual observation of the process. The precipitation device is equipped with two adjustable nozzles, allowing the user to control the precipitation area and quantity. The system includes a timer-controlled solenoid valve, which regulates the precipitation time, and a mobile sled carriage to distribute draining water to 17 chambers in the measuring tank.

A removable drain chamber or drainage pipe directs water drainage, and a separate flushing connection is provided for pipelines. The system also includes drip pans for rainwater retention, and a rotameter measures flow rates. This system is ideal for studying the behavior of soils under simulated rainfall conditions and is widely used in hydrology and soil science applications.

Technical Data & Specifications:

Experimental Section:

- Volume: 1300 × 600 × 200 mm
- Max. sand height: 185 mm

Precipitation Device:

- Number of nozzles: 2 (individually adjustable)
- Flow rate: 1–6.7 L/min
- Spray pattern: Square
- Max. precipitation rate: 320 L/h

Measuring Tank with 17 Chambers:

- Volume per chamber: 0.9 L (17 chambers total)

Timers:

- Precipitation time: Max. 99 min 59 s
- Lag time before measurement starts: Max. 99 min 59 s
- Measurement time per chamber: Max. 99 min 59 s

Drip Pans:

- Dimensions (L × W × H): 305 × 215 × 55 mm (4 drip pans)
- Steel scale: 200 mm

Measuring Ranges:

- Flow rate: 30–320 L/h

Operating Conditions:

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

Included Items:

- Stainless steel experimental tank with transparent splash guard
- Precise precipitation device with adjustable nozzles
- 17-chamber measuring tank
- Removable drain chamber or drainage pipe
- Separate flushing connection for pipelines
- 4 drip pans for rainwater retention
- Rotameter for flow rate measurement
- Timers for precise control of precipitation, lag time, and measurement time
- Dimensions & Weight:
- L × W × H: 1600 × 1000 × 1475 mm
- Weight: approx. 190 kg

Required for Operation:

- Water connection and drain
- Sand (grain size: 1–2 mm)