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Product Name :
Studies In Hydrology

Product Code :
LBNY-0005-10300087



Description :

These studies focus on topics such as seepage and flow of water in the soil and the use of groundwater resources. Can be used to study seepage and groundwater flows after precipitation. In civil engineering, studies in hydrology are conducted in connection with the design, construction and operation of hydraulic engineering systems and water management functions. The core element of the trainer is a sand-filled, stainless steel experiment tank with inclination adjustment. To illustrate groundwater flow, the water is supplied via two side-mounted chambers. In particular, permeability and storage capacity of soils can be clearly observed. At the bottom of the experiment tank there are measuring connections to detect groundwater levels. A mirrored arrangement of the measuring connections allows for a finer resolution of the measurement. Variable precipitation density and areas and different groundwater feed and discharge possibilities allow a wide variety of experiments.

Technical Specification :

Stainless steel experiment tank with transparent splash guard
Experimental section separated from inlet and outlet chamber by screens
Precipitation device with eight nozzles, adjustable precipitation area
Investigation of seepage flows and groundwater levels over time
Closed water circuit
Water inlets and outlets can be adjusted separately via valves
Instruments: tube manometer, rotameter (inlet) and measuring weir (outlet) in the measuring tank
Water drain and two wells
19 measuring connections with filters at the bottom of the experiment tank
Stainless steel storage tank with level indicator.



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