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**Product Name :**  
Open Channel Sediment Transport

**Product Code :**  
LBNY-0005-103000137



#### **Description :**

Investigation of open-channel flow with and without bed-load transport  
Flow-optimized inlet element for low-turbulence entry to the experimental section; inlet element with Sediment trap to prevent sediment flowing back  
Closed water circuit with water tank with sediment trap for coarse sand, pump and manual flow rate adjustment  
Side walls of the experimental section are made of tempered glass for excellent observation of the experiments  
All surfaces in contact with water are made of corrosion-resistant materials  
Experimental flume, consisting of experimental section, inlet element, water outlet and closed water circuit  
Discharge measurement via measuring weir in the water drain  
Level gauge for measuring the discharge depth and the height of the sediment surface  
Smoothly adjustable inclination of the experimental section  
Sluice gate and bridge pier for experiments with and without sediment transport  
Visualisation of the flow using a contrast medium.

#### **Technical Specification :**

##### **Technical Data:**

Experimental section  
Flow cross-section WxH: 300x86mm  
Inclination adjustment: -1...+3%  
Length: 1600mm  
Tank: 280L  
Pump  
Power consumption: 1,02kW

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Sediment trap filter element: 49mesh  
Max. flow rate: 22,5m/h  
Max. head: 13,7m  
Dimensions and Weight  
LxWxH: 3450x650x1200mm  
Weight: 215kg.



**Laboratory Instrument India**