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**Product Name :**  
Open Surface Tilting Flow Channel

**Product Code :**  
LBNY-0005-16000013



[www.laboratoryinstrumentindia.com](http://www.laboratoryinstrumentindia.com)

#### **Description :**

A throttle valve makes it possible to regulate the water flow rate. A series of park-away threaded holes along the bottom of the channel (spaced 250 mm apart) allows to fit the optional models. A guide is assembled on the sides of the channel to carry the accessories and the instruments necessary for the tests. The bottom of the channel can be tilted by up to 1.5 degrees, so as to simulate the normal inclinations of the real channels; it is also possible to obtain a slight negative slope. The centrifugal pump draws the water from the collection tank and transfers it to the still tank, where a manually operated vertical gate, which is assembled before the testing section, allows to vary the height of the hydraulic load. The unit is supplied with manuals that describe each component of the system, installation and utilization procedures, and gives many exercises.

The series of channels has been designed by to study the hydrodynamic phenomena of the open surface streams in variable inclination channels. The following versions are available:

Open Surface Tilting Flow Channel 5 m long

Open Surface Tilting Flow Channel 3 m long

#### **Technical Specification :**

Weight and dimensions of Open Surface Tilting Flow Channel

Open Surface Tilting Flow Channel 5 m long

Dimensions: 6500x750x1800 h mm

Weight (empty): 400kg

Open Surface Tilting Flow Channel 3 m long

Dimensions: 4500x750x1800 h mm

Weight (empty): 300kg.



**Laboratory Instrument India**