



Email : sales@laboratoryinstrumentindia.com

Product Name :
Multi Purpose Teaching Flume

Product Code :
LBNY-0005-103000273



Description :

The channel is equipped with a PVC inlet tank, and is developed for free discharge into the Hydraulics Bench. The is a compact open channel flume that is available in 2.5 m or 5.0 m lengths, with clean acrylic sides to the working part for complete visibility of the flow. The inlet tank includes a stilling arrangement to spread the water flow out before to entry into the channel for ensuring smooth uniform flow. Bed pressure tappings & fixing points for models are provided. A longitudinal scale set at the top of the channel allows depth gauges & Pitot-static tubes to be precisely located along the channel length. The level in the working part of the flume is controlled utilizing an overshoot weir at the discharge end. The offered flume is mounted on a hard framework, and can be tilted by utilize of a calibrated screw jack that allows exact slope adjustment of the channel.

Technical Specification :

Inlet tank with flow stilling arrangement.

Comprises a Venturi, sharp and broad crested weirs, two vernier level gauges, adjustable undershot weir & crump weir.

Available in 2.5m and 5.0m working section lengths.

A 76mm broad, 250mm high open channel for utilize with an Hydraulics Bench.

A jacking system permits the slope of the channel bed to be adjusted between -1% and +3%.

Clear acrylic sides to give visibility of the working section.

Comprehensive instruction manual.

Wide range of other models available as accessories.

Optional flowmeter.

A set of gauges & models are given with the flume as section of the standard supply, comprising:

Crump weir
2 Vernier level gauges
Venturi flume
Adjustable undershot weir
Sharp and broad crested weirs.

Technical Details:

Channel Dimensions: 2.5 or 5m L x 76mm W x 250mm H Channel slope adjustable between -1% and +3%.



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