

## Description

---

### **2.5 X 0.08 X 0.25 Metre Flow & Sediment Transport Channel**

#### **Description:-**



An 80 mm wide 2.5 m long flow and sediment transport channel with a starter kit of models and instruments. It provides students with the ability to study the varying effects of sediment transport, bedform dynamics and fluid flow around weirs and other objects in an open channel. The flume has a built-in sediment trap and includes sediment, a trowel and a rake, for detailed experimentation into sediment transport.

Also included with the flume are four different models, so students have the ability of immediate experimentation in open channel flow. The channel is made of toughened glass, precision-built to ensure parallel walls and a consistently accurate cross-section along its length.

A jack raises and lowers the screw support and the digital inclinometer gives an accurate adjustment of the channel angle. A sturdy steel U-section firmly supports the channel throughout its length. It has a floor-standing frame that supports the working section at a convenient eye-level position for students. The downstream end of the channel has a windowed section for visualisation of flow and a settling chamber upon exit. A pump with a control valve, forces water up to flow settling chamber at the upstream end of the channel. This gives smooth, uniform flow, free from entry effects.

---

Martinfield Business Centre, 108  
Martinfield, Welwyn Garden City ,  
United Kingdom

Direct Contact Details   
sales@didacscientific.co.uk  
 [www.didacscientific.co.uk/](http://www.didacscientific.co.uk/)