

Product Name : Hydraulic Flow Demonstrator	Product Code : NLAB-TECHNICALAB26002
Description : Hydraulic Flow Demonstrator	
Technical Specification : A floor standing flow channel for use with Hydraulics Bench Working section 77mm wide, 150mm high and 1100mm long Can be configured to demonstrate flow in open channels and closed conduits Clear acrylic sides for good visibility of flow patterns created Stilling arrangement at inlet to promote smooth flow into the working section Section of bed can be elevated continuously and locked at the required height Discharge tank incorporates flow control valve for convenience in setting up Total and static heads indicated on multi-tube manometer connected to Pitot tubes and static tappings at three locations in working section Pitot tubes mounted through bed of channel for ease of priming and height adjustment (can be traversed from floor to roof to measure velocity profile) Transparent scales allow measurement of all important heights and levels Models of hydraulic structures supplied include Undershot Weir (Sluice gate) at the inlet, Overshot Weir at the outlet, Sharp Crested Weir, Broad Crested Weir (also used to create a Culvert) and Ogee Weir Suitable for project work with alternative hydraulic structures (user created) Optional direct reading flowmeter to aid setting up of demonstrations Comprehensive instruction manual supplied Width of working section 77mm Depth of working section 150mm Length of working section 1100mm Maximum operating flowrate 1.6 litres/sec	

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