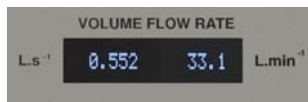
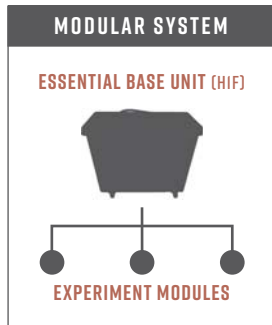


# DIGITAL HYDRAULIC BENCH

HIF

Provides a controlled recirculating water supply and accurate flowmeter for hydraulic and fluid mechanics experiments.

\*UPGRADE YOUR OLDER GENERATION GRAVIMETRIC OR HYDRAULIC BENCH WITH A: **DIGITAL ELECTRONIC MEASURING KIT HIX**  
SEE PAGE 105



DIGITAL FLOW DISPLAY



DIGITAL HYDRAULIC BENCH

FEATURES:	BENEFITS:
Supplies and measures water flow to over 15 different experiment modules	→ Saves space and reduces costs
Electronic flowmeter and digital display	→ Accurate measurements and quicker experiments
Self-contained with recirculating water circuit	→ Needs no external water supply, saves mains water
Fully mobile unit with a flat top to hold several experiment modules	→ Makes best use of laboratory space
Fibreglass construction	→ Strength, easier transport and long life

This product supplies a controlled flow of water to a wide variety of laboratory experiment modules (available separately). The body of the bench forms a reservoir or 'sump tank' with a submersible pump. Once filled, the bench needs no external water supply.

## AVAILABLE EXPERIMENT MODULES:

### BENCH-MOUNTED:

Flow Visualisation (FC15)	92
Flow Through an Orifice (H4)	104
Bernoulli's Theorem (H5)	94
Discharge Over a Notch (H6)	93
Friction Loss in a Pipe (H7)	99
Impact of a Jet (H8)	105
Flow Measurement Methods (H10)	95
Vortex Apparatus (H13)	107
Francis Turbine (H18)	126
Pelton Turbine (H19)	127
Hydraulic Ram Pump (H31)	128
Jet Trajectory and Orifice Flow (H33)	106
Pipework Energy Losses (H34)	101
Flow Meter Calibration (H40)	97



THE DIGITAL HYDRAULIC BENCH SHOWN WITH THE JET TRAJECTORY AND ORIFICE FLOW (H33) EXPERIMENT MODULE

### FREE-STANDING:

Losses in Piping Systems (H16)	100
2.5-Metre Flow Channel (FC50-2.5)	114
Pipe Surge And Water Hammer (H405)	110
Fluid Friction Apparatus (H408)	102

FLUID MECHANICS

\*Currently available only in the UK