

Product Name :
Fluid Science Service Unit

Product Code :
CHINAELABC3710004



Description :

Fluid Science Service Unit

Technical Specification :

The Fluid Science Service Unit is designed to be used in conjunction with the fluidscience experiments. The unit incorporates a pump and rotameter to vary thewater flow rate and a heating system. The built-in safety features of the unitinclude a thermal cut out that prevents the hot water circuit exceeding 55cand a low voltage water resistant power supply unit.

TheFluid Science range is CE certified for Worldwide use, an innovative suite ofproducts designed to enable student to gain an understanding of thefundamentals of Fluid Mechanics and Thermo Fluids by the process of learningvia hands-on experimentation.

Thehigh precision elements are supplied as modular tray-based systems whichoperate in conjunction with the Fluid Science service unit, multi functionalwork panel and instrumentation enabling the student to conduct their individualor group experiments.

Theexperiments are supplied with a highly visual user-friendly operational guide,allowing the students to understand the theory of the subject by theapplication of practical experimentation. The range includes experimentsranging from simple flow measurements, losses in hydraulic circuits through tomore complex heat exchanger processes.

Technical Specifications:

Water Operational temperature range: Ambientto 55°C (131°F)

Water Flow Rate: 03.5 liters /minute

Water Volume: 5 liters
Digital Thermometer
Measuringrange: -50°C to 1350°C (-58°F to 2462°F)
Accuracy: 0.015%
Digital Manometer
Measuringrange: 13.78kPa
Accuracy: 0.3%
Hardwiredthermal cut out switch to prevent over temperature of water
OperatingVoltage: 24vDC power supply
PSU voltage: 100VAC to 240 VAC, 50-60Hz



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