

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 fluid science experiments. The unit incorporates a pump and rotameter to vary the water flow rate and a heating system. The built-in safety features of the unit include a thermal cut out that prevents the hot water circuit exceeding 55°C and a low voltage water resistant power supply unit.

The Fluid Science range is CE certified for Worldwide use, an innovative suite of products designed to enable student to gain an understanding of the fundamentals of Fluid Mechanics and Thermo Fluids by the process of learning via hands-on experimentation.

The high precision elements are supplied as modular tray-based systems which operate in conjunction with the Fluid Science service unit, multi functional work panel and instrumentation enabling the student to conduct their individual or group experiments.

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

Technical Specifications:

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

Water Flow Rate: 0.35 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



Engineering Lab China