

Product Name :

Computer Controlled Heat Transfer Teaching Equipment

Product Code :

Transfer Lab0026

**Description :**

Computer Controlled Heat Transfer Teaching Equipment

Technical Specification :

Computer Controlled Heat Transfer Teaching Equipment

Our respected clients can avail from us a quality approved the range of **Computer Controlled Heat Transfer Teaching Equipment**.

These products are made available in multiple sizes to fulfill the varied needs of the customers. High-grade materials are obtained from reputed and trusted vendors for manufacturing these products. These products provide a variable and stabilized 0-24V DC supply to the heater of the heat transfer accessory, with a current capability of 9A.

Features:

- Trouble free performance
- Easy to use
- Anti-corrosive

Specification:

- A bench top service unit designed to interface to a range of heat transfer accessories.
- Provides a variable, stabilised 0-24V DC supply to the heater of the heat transfer accessory, with a current capability of 9A.
- Provides a drive signal for a proportioning solenoid valve used for flow control.
- Provides a control signal to a variable speed blower used for generating airflow.
- 10 temperature inputs and conditioning circuits for K-type thermocouples:
 - 9 off, 0-133°C, resolution <0.1°C
 - 1 off, 0-500°C, resolution <0.15°C
- Instrumentation inputs for heater voltage, heater current, air flow, water flow, radiation and light meter.
- Integral USB interface, and educational software for all accessories.
- Outputs can be controlled manually from the front panel, or controlled by the software from a user supplied PC.
- A comprehensive instruction manual describing how to carry out the laboratory teaching exercises in non-steady state heat transfer and their analysis as well as assembly, installation and commissioning is included.

Features of Computer Controlled Heat Transfer Teaching Equipment:

- Small-scale, benchtop equipment
- Common service unit avoids unnecessary cost duplication for control and instrumentation
- Multiple accessories available covering a wide range of heat transfer investigations
- Computer control of heaters, water flow, air flow, with safety functions implemented to allow for remote operation
- Improved accuracy for quantitative results which can be related directly to theory
- Integral USB interface
- Full educational software, with data logging, control, graph plotting, and detailed

Electrical and Electronics

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