Product name:	Product code:
Computer Controlled Heat Exchanger Module	Transfer Lab0025



Description

Computer Controlled Heat Exchanger Module

Technical specification

- Benchtop service unit, designed to accommodate a range of different small-scale heat exchangers.
- Comprises hot water vessel, hot water recirculation pump, cold water control system, computer interface and all necessary instrumentation.
- The hot water vessel is made from clear acrylic (for visibility) and includes a 2kW heater with thermostatic over-temperature cut-out and low water level detection.
- The hot water pump is bi-directional (to allow co-current and counter- current investigations without re-configuring the hardware) and the flow rate is under computer control.
- The cold water system includes a manually adjustable pressure regulator and a flow control valve which is under computer control.
- Flow rates for both fluid streams in excess of 5L/min are achievable, but this may be restricted by some designs of heat exchanger .
- Up to 10 temperatures (K-type thermocouples) can be monitored using the service unit. Operating range, 0-75°C, resolution 0.1°C.
- Two flow meters are included, operating range 0.2 to 9 l/min resolution 0.1l/min
- All data is available to a (user supplied) Windows PC, via a USB interface. This computer is also used to control the flow rates, hot water temperature, and hot water direction.
- Full software for educational use is included.
- A comprehensive instruction manual is included.

Features of Computer Controlled Heat Exchanger Service Module:

- Small-scale, benchtop equipment
- Fast response times allow in depth investigations in a short time
- Representative of industrial heat exchangers
- Multiple, industrially representative heat exchangers available
- All functions computer controlled, including reversing of one of the fluid streams for co-current and counter-current investigations
- Standard USB interface
- Safety functions implemented to allow for remote operation by computer
- Full educational software with data logging, control, graph plotting, and detailed Help
- Suitable for project work. The service bench provides facilities for evaluating in-house heat exchanger designs

NAUGRA®

Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India

Email us at: export@civilmechanicalindia.com

Computer Controlled Heat Exchanger Module

Backed by the vast industry exposure, we are involved in offering a wide range of **Computer Controlled Heat Exchanger Module** in the market. These products are manufactured from best quality components. These modules comprise hot water vessel, hot water recirculation pump, cold water control system, computer interface and all necessary instrumentation.

Features: