

**Product Name :**  
Plate Type Heat Exchanger with Data Acquisition

**Product Code :**  
HEMT0014



## Description :

Plate Type Heat Exchanger with Data Acquisition

## Technical Specification :

The experimental apparatus is used for studying the heat transfer through a plate heat exchanger under parallel or counter flow conditions.

The unit consists of a plate heat exchanger, and a service module.

The module comprises a hot water tank with a transfer pump and instruments for monitoring and control.

The unit requires outside water supply.

The microprocessor-based instrumentation is well protected in the housing.

The software consists of software for system operation and for data acquisition and educational software.

Parallel or counter flow is by switching cold hoses valves.

Is connected to the PC via USB.

### FEATURES:

Demonstration of plate heat exchanger under parallel and counter flow.

Determination of heat transfer coefficient.

Effects of flow rate and temperature difference.

Useful for institutions, research laboratories & insulating powder manufactures

Functions of the software: educational software, data acquisition, system operation

### SPECIFICATION:

Stirrer: 0- 500 rpm

Construction: stain less steel plate type heat exchanger.

Service module consisting of:

Hot water tank and pump.

---

Heater: 3000 W.  
Temperatures: 6 ea.  
Flow meters: Hot water and cold water.  
Temperature control unit: 1 ea.  
Measuring ranges :  
Temperature: 2x 0...325°C  
Heating power: 0...3000W  
Required for Operation :  
230V, 50Hz, 1 phase  
230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase

 **LAB ENGINEERING**

**Elab Engineering Equipments Manufacturers**