

**Product Name :**  
Multi Heat Exchanger with Data Acquisition

**Product Code :**  
CHINAELABC2620012



#### **Description :**

Multi Heat Exchanger with Data Acquisition

#### **Technical Specification :**

##### **FEATURES:**

Comparison of heat transfer for concentric tube, shell and tube, and plate heat exchanger.  
Demonstration of heat transfer under parallel or counter flow.  
Demonstration of batch type heat transfer for jacketed vessel.  
Determination heat transfer coefficient.  
Effects of flow rate and temperature difference.  
Functions of the software: educational software, data acquisition, system operation.  
Useful for institutions, research laboratories & insulating powder manufactures.

##### **SPECIFICATION:**

Heat exchangers :

Concentric tube: 2 sections of stainless steel inner tube with clear acrylic casing.

Shell and tube: Stainless steel inner tubes with clear acrylic casing.

Plate: Stainless steel multiple plates.

Service module consisting of :

Hot water tank and pump.

Heater: 3000 W.

Temperatures: 14 ea.

Flow meters: Hot water and cold water.

Temperature control unit: 1 ea.

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Stainless steel jacketed vessel with coil and stirrer

Vessel content :

With a temperature sensor.

Jacket heat transfer area approximately 600 cm<sup>2</sup>

Coil heat transfer area approximately 350 cm<sup>2</sup>

Stirrer: 0- 500 rpm



**Engineering Lab China**