

**Product Name :**  
Air Conditioning System Trainer

**Product Code :**  
HEAT SUK-AS03LAB001



**Description :**

Air Conditioning System Trainer

**Technical Specification :**

Air Conditioning System Trainer represents a complete air conditioning system with an air duct and a climatic chamber. The main components of the air conditioning system are the air cooler with condensing unit, fan, steam humidifier and air heater. Three motorized ventilation flaps control the air distribution in the air conditioning system. The climatic chamber is equipped with two different heat sources (wet and dry). Temperature and relative humidity are measured at relevant points in the air duct and displayed digitally. For the refrigeration circuit two manometers with integrated temperature scale and a flow meter provide all relevant measurements.

**FEATURES:**

- Air conditioning system and its components
- Conditioning room air
- Mixing different air flows
- Representation in the h-x diagram for humid air
- Humidification and dehumidification
- Heating and cooling

- Representation of the circuit in the log p-h diagram
- Effect of a cooling load (dry and wet)



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