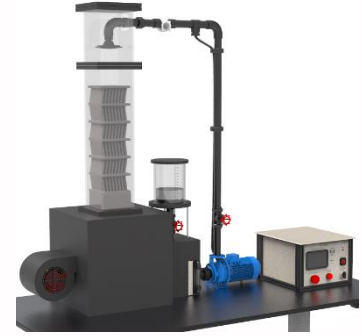


## Water Cooling Tower (EDC-HT-008)

### EXPERIMENTAL DATA:

- Wet cooling tower principle.
- Change of state of air in column.
- Persistence of cooling Capacity.



### DESCRIPTION:

This apparatus is a closed-circuit cooling and heat dissipation method. In this process water is sprayed over a wet deck surface. Air and water contact directly in counter flow. Cooling process of water occur by convection method. Some water evaporates and evaporation causes coolness.

Optional Software is available for Data Acquisition and Control Function.

### SPECIFICATIONS:

- Forced ventilation with cooling tower.
- Heater.
- Closed-circuit Cooling Process.
- Digital Display.
- Manual valve for flow control.

### DIMENSIONS AND WEIGHT:

- L x W x H (mm): 1100 X 500 X 1200 approx.
- Weight: 60 kg approx.

### SCOPE OF DELIVERY:

- 1 x EDC-HT-008.
- 1 x Instructional Manual.

### TECHNICAL DATA:

- Cooling Column:
  - 150 x 150mm.
  - specific surface of the wet deck surface:  $110\text{m}^2/\text{m}^3$ .
- Heater adjustable:
  - 0 to 1500W.
- Air flow Adjustable:
  - power consumption: 220W.
  - max. pressure difference: 4mbar.
  - max. volumetric flow rate:  $13\text{m}^3/\text{min}$ .
- Built-in pump for water flow:
  - Max. 6 LPM.
- Additional water tank: 3 Ltr.
- LCD display for temperature and flow.
- 230V AC 50 Hz.

