



GENERAL EXPLANATION

This training set is designed to easier understanding of boiling and condensation processes from common applications of heat transfer.

EXPERIMENTS

1. Experiment to observe the convection core and transition boiling
2. Experiment to find system energy balance at constant boiling temperature
3. Experiment to find heat flow and surface heat transfer coefficient at constant boiling temperature
4. Condenser capacity, surface convection coefficient and Nusselt number calculation experiment

DIMENSIONS

A x B x H : 1180 x 450 x 1500 mm

OPTIONAL FEATURES

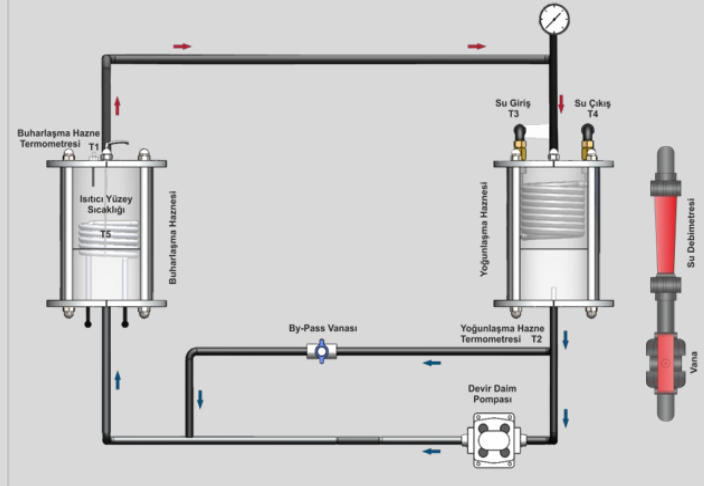
- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog

TECHNICAL SPECIFICATION

With different types of thermometers, different temperature values and sensitivities are observed. The temperature of the liquid reservoir in the system is controlled by means of resistance. The cooling system in the different tank also reduces the temperature of the liquid. Here, it is aimed to observe at which temperature range and at which temperatures different types of thermometers give clearer results.



TECHNICAL DETAILS

- 1 kW heating resistor
- 2 pieces 2 liters transparent tanks
- Recirculation pump
- Water cooled and wound tubular condenser
- Temperature sensors
- Digital measurement of electrical data