

GENERAL EXPLANATION

This training set is a pioneer application combining automatic level, flow, pressure and temperature control methods and different control algorithms can be applied on this set.

EXPERIMENTS

1. Two-position (ON-OFF) control (level, flow, pressure and temperature)
2. Proportional (P) control (level, flow, pressure and temperature)
3. Proportional and integral (PI) control (level, flow, pressure and temperature)
4. Proportional and derivative (PD) control (level, flow, pressure and temperature)
5. Proportional, integral and derivative (PID) control (level, flow, pressure and temperature)

DIMENSIONS

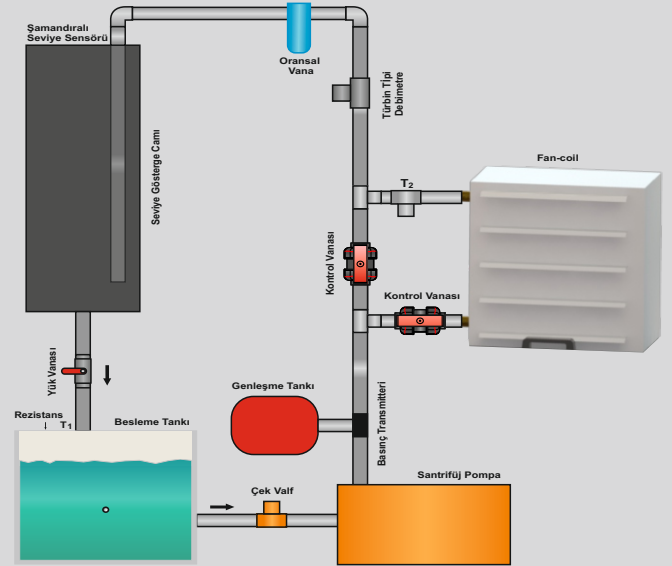
A x B x H : 1580 x 300 x 1460 mm

OPTIONAL FEATURES

- Touch LCD Display
- USB Computer Connection
- Computer Control

TECHNICAL SPECIFICATION

In this set, the working principles and application forms of the most used automatic control systems are introduced. The effects of the proportional coefficient, the integral coefficient and the derivative coefficient on the PID control, the operating principle of the on-off control can be observed.



TECHNICAL DETAILS

- Resistance
- Pressure manometer
- Proportional controlled two-way valve
- Centrifugal pump
- Transparent plexiglass water level column
- Fan coil
- Turbine type water flowmeter
- Rotameter type water flowmeter

PACKAGE INCLUDED

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