



THE LAB EQUIPMENT

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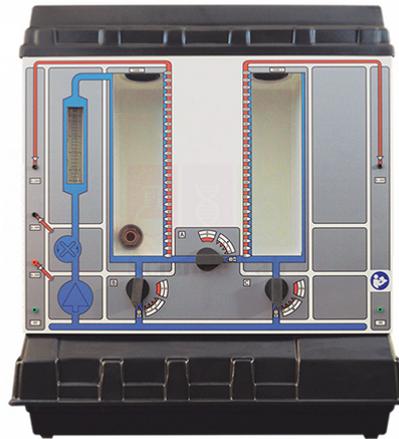
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**Product Name :**

Coupled Tanks Apparatus

**Product Code :**

SLE/ETC/02



## Description :

- The Coupled Tanks Apparatus investigates basic and advanced control engineering principles.
- This includes the study of static and dynamic systems.
- It is also an ideal system to use with other control strategies such as fuzzy logic.
- Shows fluid transport and liquid level control problems in process control.
- A rotameter-type flow meter shows the flow rate.
- An electronic flow meter measures the flow rate.
- A scale on each tank allows students to check the level-sensor calibration.
- Variable-speed pump forces water into the left-hand tank.
- A valve connects this tank to a second tank, if needed, for two-tank experiments.
- Each tank has a level sensor that gives output signals proportional to the water level in each tank.
- The basic control problem is to regulate the liquid level in one of the tanks by varying the speed of the circulating pump.

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