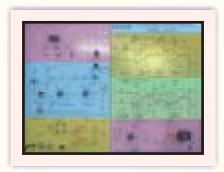


PROPORTIONAL INTEGRAL (PI) CONTROL SYSTEM

MODEL - CNT15

This trainer has been designed with a view to provide practical and experimental knowledge of Proportional Integral (PI) Control System on a SINGLE PCB.



FEATURES

- 1. All components are soldered on hollow tags of 0.25" diameter height of 0.4" on the front side of PCB
- 2. The complete circuit diagram is screen printed on component side of the PCB with circuit and parts at the same place.
- 3. The true value of component is printed on component side.
- 4. The PCB with components on front side is fitted in elegant wooden box having lock and key arrangement.
- 5. The acrylic cover is fitted on PCB to safeguard parts. It has holes for alignment and repair.
- 6. The testing points are provided with 1.25" tags to connect CRO probe
- 7. All Trainers are operated on 230V AC mains and must be self-contained unit.

SPECIFICATIONS

- 1. Electronic simulation used for the process under study for easy and better understanding.
- Demonstrates the principle and working of a Proportional Integral control System (PI).
- 3. Built-in simulated process.
- 4. Study of effects of integral and proportional action on different actuated error signals generated externally for closed loop behavior of system.
- 5. Control of Integral time, Proportional rate and study of its effects on the controlled signal.
- 6. Facility for Proportional (P) and Proportional Integral (PI) control system experiments.
- 6. Supply required 230V, 50Hz A.C
- 7. Built-in IC based DC regulated power supply with short circuit protection.
- 8. Standard Accessories : 1. User Manual with practicals.

2. Connecting patch cords.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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