SIGMA

PROPORTIONAL DERIVATIVE (PD) CONTROL SYSTEM
MODEL - CNT16

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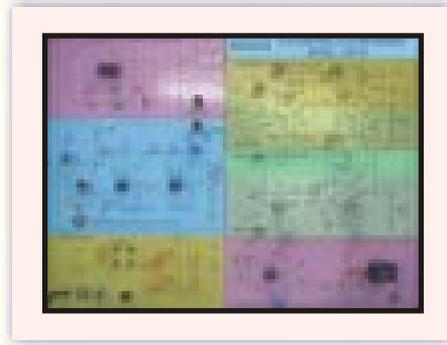
FEATURES

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.
2. Demonstrates the principle and working of a Proportional Derivative (PD) control System.
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 derivative time, Proportional rate and study of its effects on the controlled signal.
6. Facility for Proportional (P) and Proportional Derivative (PD) control system experiments.
7. Supply required 230V, 50Hz AC
8. Built-in IC based DC regulated power supply with short circuit protection.
9. Standard Accessories   :   1. User Manual with practical
                                                                    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.