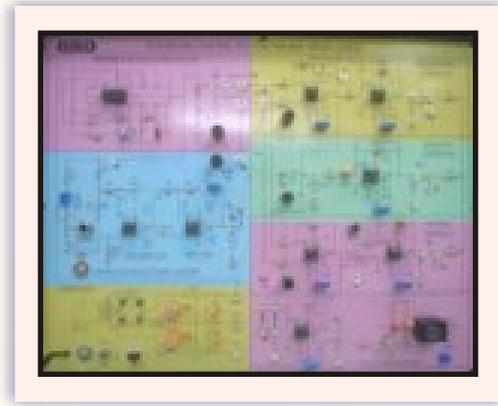




P-PI-PD-PID CONTROL SYSTEM TRAINER (ACTUAL PROCESS)

MODEL-CNT20

This trainer has been designed with a view to provide practical and experimental knowledge of a Proportional Integral Derivative (PID) Control System with actual process on a SINGLE P.C.B.



SPECIFICATIONS

1. Demonstrates the principle and working of a Proportional Integral Derivative (PID) Control System with actual process.
2. Complete system consists of a process unit with process and control unit with sensor.
3. The control unit consists of an RTD PT-100 sensor probe with connecting facilities, its sensor input circuit P.I.D. control circuits, and power output circuit.
4. Built-in analog meters to measure deviation between set and process value and % output power (0-100%).
5. Built-in set value adjustment from 0 to 100 deg. C.
6. Built-in facilities to vary proportional gain, integral time and derivative time (coarse & fine adjustments).
7. Study of effects of integral, derivative and proportional action:
 - 1) Proportional Control (P)
 - 2) Proportional Integral Control (PI)
 - 3) Proportional Derivative Control (PD)
 - 4) Proportional Integral Derivative Control (PID)
8. Supply required 230V, 50Hz AC.
9. Built-in IC based DC regulated power supply with short circuit protection.
10. 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.

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