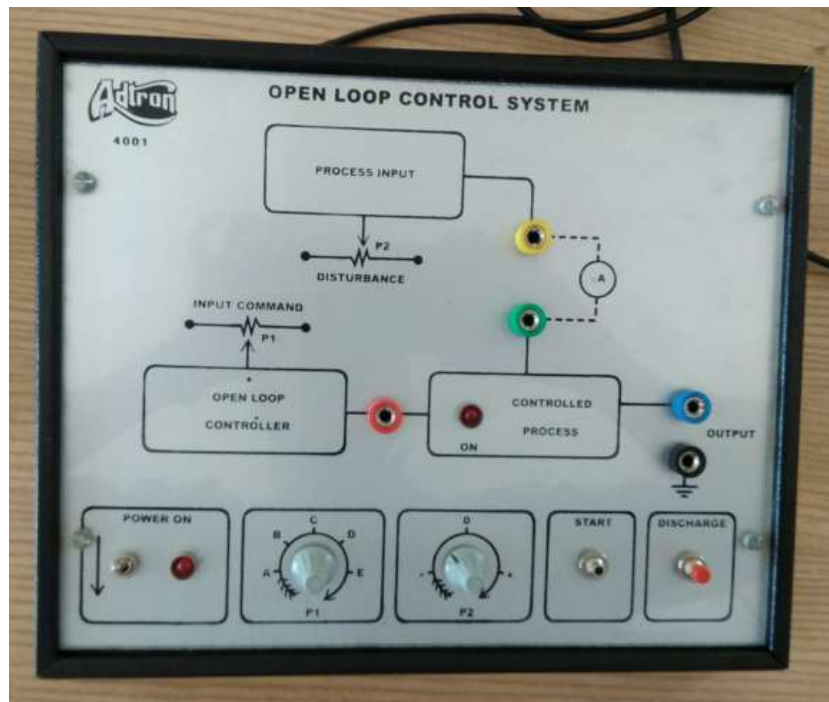
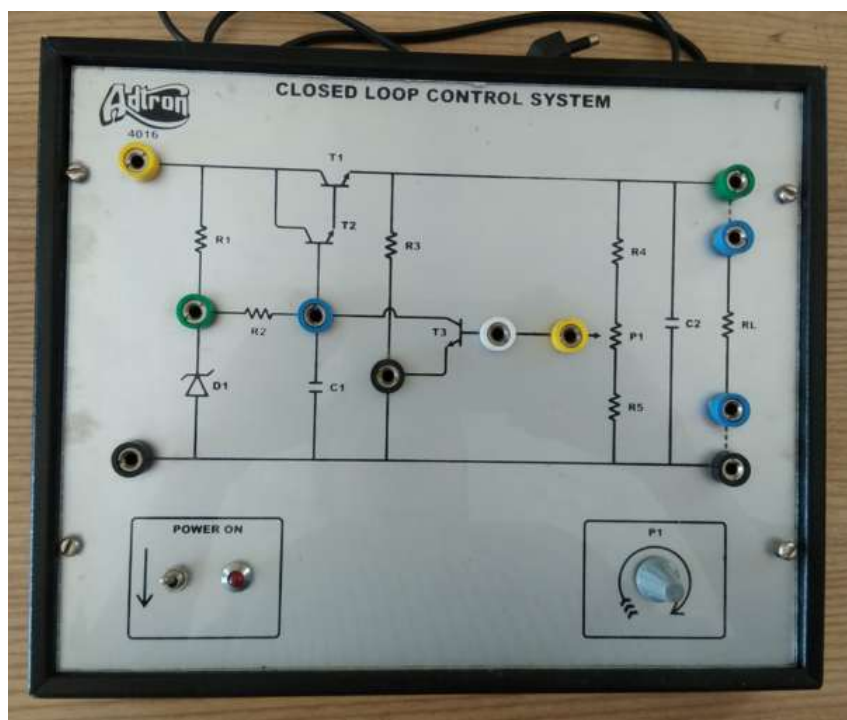


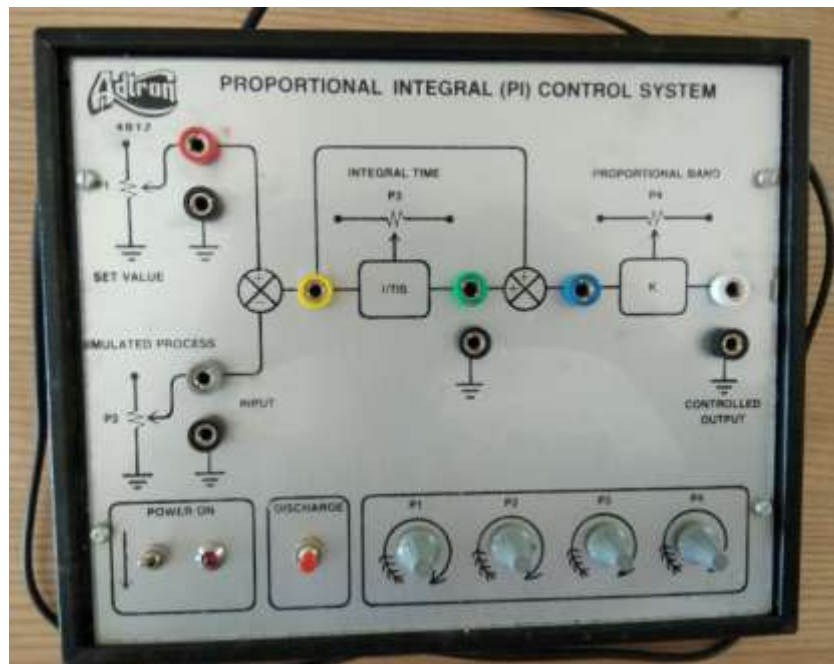
Control System Laboratory



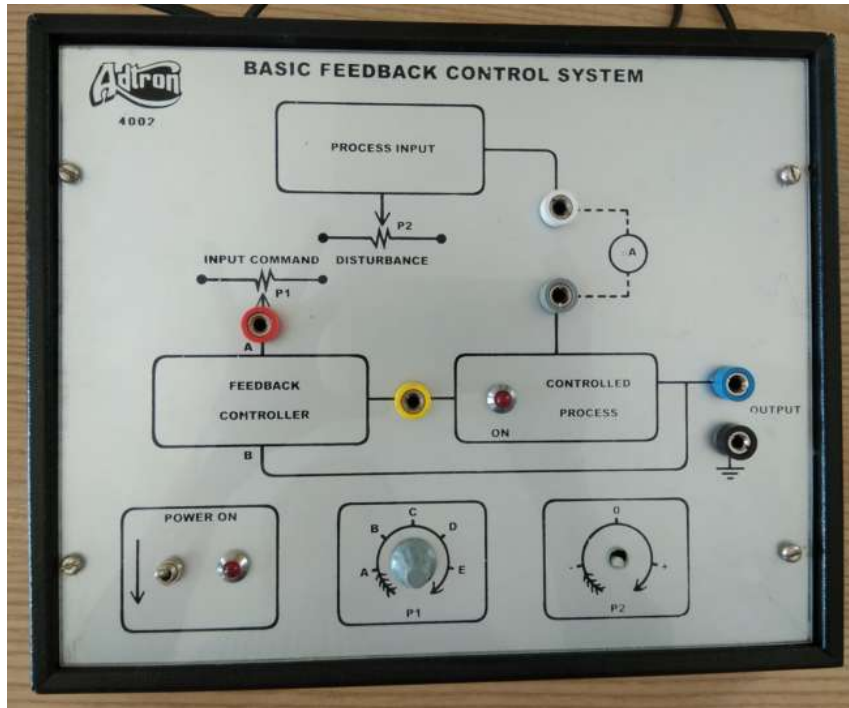
This Kit demonstrates the principle and working of a basic open loop control system and it requires 230V, 50Hz AC supply. It consists of IC based DC regulated power supply with short circuit protection and LED indication for supply "ON". It has in-built variable input command, variable disturbing / error signal and timer with relay. Multi – coloured test points are provided at various stages in the circuit to observe the voltage and waveform.



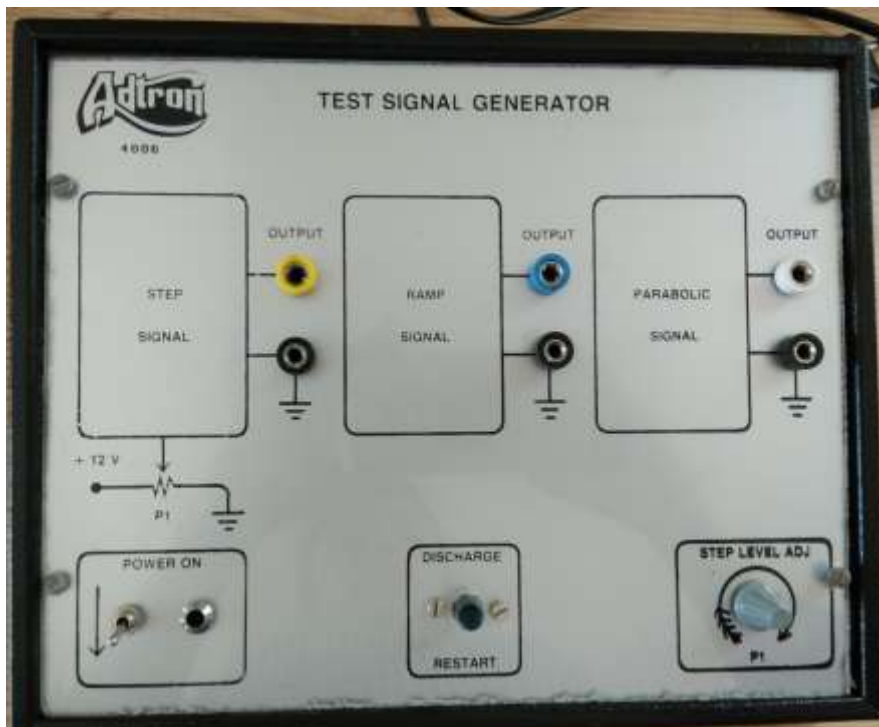
This kit demonstrates the principle & working of Closed Loop Control System and also has provision to connect/disconnect the load & feedback loop and vary the output voltage. The input supply to the kit is 230V, 50Hz AC. Multi – coloured test points are provided at various stages in the circuit to observe the waveforms & voltages.



This kit with input supply voltage 230V, 50Hz AC demonstrates the principle and working of a Proportional Integral Control System (PI). Study of effects of integral and proportional action on different actuated error signals generated externally for closed loop behaviour of system. The control of Integral time, Proportional rate and study of its effects on the controlled signal can be done. It provides the facility for Proportional (P) and Proportional Integral (PI) control system experiments. Multi-coloured test points are provided at various stages in the circuit to observe the waveforms and voltages.



This kit demonstrates the principle and working of a Basic Feed control system with input supply of 230V, 50Hz AC.



It is a complete instrument, required in the experiments of control engineering. It provides test signals of different waveforms and frequencies for feeding in as error signals. The input supply required is 230V, 50Hz AC. It gives very low frequencies (variable) step and Ramp waveform signals, which are essential for finding the response of various control circuits.