Order Code - 52042 is designed to study the most important performance aspect of a practical system is its response to known input. A large part of the analysis of such systems is therefore devoted to time domain studies. The setup offered is a variable configuration simulated system designed for time domain studies of both open loop and closed loop systems. Selection at block diagram level eliminates the need to bother about the details of electronic circuitry and its assembly. Thus time and efforts could be directed towards understanding and experimenting with the basic aspects of linear control systems.
Built-in square wave and triangular wave generators provide test inputs to study both transient and steady state responses. Provision is also there to observe the effect of disturbances. Additionally, frequency response studies can be made using an external sine wave generator.

Features

01. Built-in Sine, square & trigger 0source
02. Built-in Error detector cum gain Amplifier
03. Built-in Integrator
04. Built-in two Time constant
05. Built-in Disturbance Amplifier
06. Built-in Uncommitted Amplifier
07. Built-in DC Power Supply
08. Functional blocks indicated on-board Mimics
09. Exhaustive Learning Material
10. On board signal conditioning circuitry

Objects

01. Open loop step response of First Order system
02. Closed loop step response of First Order system
03. Closed loop step response of Second Order systems
04. Closed loop step response of Third Order systems
05. Disturbance rejection
06. Additional experiments may be perform

Technical Specification

01. Power Supply : 230V+5%, 50Hz
02. Interconnections : 4mm banana sockets
03. Power Consumption:10 VA (approximately)
04. Operating Conditions : 0-40oC, 85% RH
05. Dimension : W 340 x H125 x D210
06. Weight : 1.25Kg (approximately)

List of Accessories:

01. Patch Cord 50cm 4mm Red & Black.....04

Note: Specifications are subject to change.

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