



**OMEGA TYPE ICT-910** 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.

#### 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

#### FEATURES

- 01 Built-in Sine, square & trigger source
- 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

#### TECHNICAL SPECIFICATION

- |                         |                          |
|-------------------------|--------------------------|
| 01 Power Supply         | : 230V+5%, 50Hz          |
| 02 Interconnections     | : 4mm banana sockets     |
| 03 Power Consumption:   | 10 VA (approximately)    |
| 04 Operating Conditions | : 0-40°C, 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.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## OMEGA ELECTRONICS

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