

OMEGA TYPE ICT-921 Control System Simulator which covers basic theory, step by step procedure to conduct the experiment and other useful information.

ICT-921 Control System Simulator helps the users to gain invaluable knowledge about Order and type of Control System. Square wave, Ramp wave, Parabolic wave, Unit step signal and variable DC supply are provided on board as standard inputs. On board Resistance, Capacitor and Inductor banks for studying different combination for the order of a system are also available.

OBJECTS:

- 01 To observe the First Order control system for different values of the Damping Ratio at different values of resistance
- 02 To observe the Second Order control system for different values of the Damping Ratio at different values of resistance
- 03 To observe the Third Order control system for different values of the Damping Ratio at different values of resistance
- 04 To observe the Type0 control system Steady State Error (Ess) for Unit Step or Square wave input
- 05 To observe the Type0 control system Steady state error (Ess) for Ramp as input
- 06 To observe the Type0 control system Steady State Error (Ess) for Parabolic as input
- 07 To observe the Type1 control system Steady State Error (Ess) for Unit Step or Square wave input
- 08 To observe the Type1 control system Steady State Error (Ess) for Ramp as input
- 09 To observe the Type1 control system Steady State Error (Ess) for Parabolic as input
- 10 To observe the Type2 control system Steady State Error (Ess) for Unit Step or Square Wave input
- 11 To observe the Type2 control system Steady State Error (Ess) for Ramp as input
- 12 To observe the Type2 control system Steady State Error (Ess) for Parabolic as input

FEATURES

- 01 Study of I Order System
- 02 Study of II Order System
- 03 Study of III Order System



- 04 Study of Type 0 System
- 05 Study of Type 1 System
- 06 Study of Type 2 System
- 07 Additional Resistance Bank
- 08 Additional Capacitance Bank
- 09 Additional Inductance Bank
- 10 Unit Step Output
- 11 Square Wave Output
- 12 Ramp Output
- 13 Parabolic Output
- 14 Buffers
- 15 Ess Block

TECHNICAL SPECIFICATIONS:

- Unit Step Signal
- Square Wave : 100Hz \pm 20%
- Ramp Wave : 100Hz \pm 20%
- Parabolic Wave : 100Hz \pm 20%
- Resistance Bank : 100E, 1K, 10K, 10K, 50K, 100K
- Inductor Bank : 1uH, 680uH, 10mH, 10mH, 68mH, 68mH
- Capacitor Bank : 0.001uF, 0.01uF, 0.01uF, 0.1uF, 1uF, 1uF
- Learning Material : Theory, procedure, reference results etc
- Dimensions (mm) : W 415 x D 165 x H 315
- Power Supply : 230V AC, 50/60Hz
- Weight : 1.5Kg (approximately)
- Operating Conditions: 0-40 C, 85% RH

LIST OF ACCESSORIES:

- 01 Patch cord 4mm length 50cm Red04
- 02 Patch cord 4mm length 50cm Black04

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

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