



Sciencetech 2454 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.

Features

- Study of I, II & III Order System
- Study of Type 0,1& 2 System
- Additional Resistance, Capacitance & Inductance Bank
- Variable Voltage Output
- Unit Step Output
- Square Wave Output
- Ramp Output
- Parabolic Output
- Buffers
- Ess Block

Scope of Learning

To observe the :

- First Order control system for different values of the Damping Ratio at different values of resistance
- Second Order control system for different values of the Damping Ratio at different values of resistance
- Third Order control system for different values of the Damping Ratio at different values of resistance
- Type0 control system Steady State Error (Ess) for Unit Step or Square wave input
- Type0 control system Steady state error (Ess) for Ramp as input
- Type0 control system Steady State Error (Ess) for Parabolic as input
- Type1 control system Steady State Error (Ess) for Unit Step or Square wave input
- Type1 control system Steady State Error (Ess) for Ramp as input

Technical Specifications

Variable Voltage	:	-10V to +10V
Unit Step Signal		
Square Wave	:	100Hz
Ramp Wave	:	100Hz
Parabolic Wave	:	100Hz
Resistance Bank	:	100R, 1K, 10K, 10K, 50K, 100K
Inductor Bank	:	1 μ H, 680 μ H, 10mH, 10mH, 68mH, 68mH
Capacitor Bank	:	1nF, 10nF, 10nF, 100nF, 1 μ F, 1 μ F
Product Tutorial	:	Online on www.SciencetechLearning.com
Dimensions (mm)	:	W 326 x D 252 x H 52
Power Supply	:	100V - 240V AC, 50/60Hz
Weight	:	1.5Kg (approximately)
Operating Conditions	:	0-40°C, 85% RH
Included Accessories	:	Patch cord 8" (2mm)-10nos. Patch cord 12" -6 nos. Mains cord -1no.