

Product Name : Process Control Simulator	Product Code : NLAB-TECHNICALAB16005
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Description :

Process Control Simulator

Technical Specification :

Built-in Function generator (Sine & Square wave).
Variable gain for proportional control (P).
Variable integral time for integral control (I).
Variable derivative for derivative control (D).
Self contained power supplies and power ON/OFF switch.
Time constant of simple lags - 1ms, 0.47ms.
Time constant of Integrators - 1s.
Proportional Band (p)- Corresponding to gain Constants 0.5 to 25.

To determine the time constant and transfer function of first order process.
To study the open loop response of a simple process.
To study the closed loop response of a simple process.
To observe the time response of closed loop second order process with proportional control.
To study the time response of P + I controller.
To study the response of P + I + D Controller in a process.

Kit Working voltage: (220-240)VAC.
Input Voltage: 12V-0-12V AC.
Input Frequency: 50Hz.
Output Current: 1 Amps.
Output Frequency: 100 HZ TO 10KHZ.

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