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**Product Name :**  
Controller Trainer

**Product Code :**  
LBNY-0005-18500011



#### **Description :**

The Controller is for use with most products in Control Engineering range, but it will work with any other compatible laboratory equipment.

These blocks mimic the important parts of industrial controllers. Clear diagrams on the front panel of the controller show the blocks, each of which has its own set of connection sockets. This compact unit has analogue electronic circuits connected in blocks. The user connects the blocks in any way that they need and then connects them to their chosen products in the range.

#### **The blocks include:**

Fully adjustable potentiometers that can work as setpoints or attenuators  
A function generator and digital voltmeter  
Proportional and integral blocks  
A complete three-term PID (proportional, integral, derivative) block  
Phase lead  
Summing junctions.

#### **Technical Specification :**

#### **Experiments:**

Engine speed control  
Servo control  
Temperature (thermal) control  
Level control  
Coupled drive control

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Operating Conditions  
Ball and beam control  
Ball and hoop control.



**Laboratory Instrument India**