



Transient Analysis of RC/LC Circuits, 36333 has been designed specifically for the transient response analysis with both DC and AC signals as input. This is useful for students to study and analyze the behavior of any circuit during the transient period. The study of transient and steady state transient of a circuit is very important as they form the building block of most electrical circuits. With this product, we can easily calculate time constant of RC circuits theoretically and practically.

### Object

- 01 Study the transient response of a series RC circuit and understand the time constant concept with DC power supply.
- 02 Study the transient response of a series RL circuit and understand the time constant concept with DC power supply.
- 03 Study the transient response of a series RC circuit and understand the time constant concept with square wave TTL.
- 04 Study the transient response of a series RL circuit and understand the time constant concept with square wave TTL.

### Features

- 01 Easy experimental illustration of transient analysis of RC and RL circuits.
- 02 Built-in +5V DC power supply.

Note: Specifications are subject to change.

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03 Built-in signal generator.

### Technical Specifications

- |                    |   |                     |
|--------------------|---|---------------------|
| 01 Mains supply    | : | 230V $\pm$ 10, 50Hz |
| 02 DC power supply | : | +5V                 |
| 03 Dimensions (mm) | : | W340 X H125 X D210  |
| 04 Weight          | : | 1.1 KG (Approx)     |

### List of Accessories

- |                                      |    |
|--------------------------------------|----|
| 01 Patch cord 50cm - 4 mm Red.....   | 01 |
| 02 Patch cord 50cm - 4 mm Black..... | 01 |

### Other Apparatus Required

- |                                 |  |
|---------------------------------|--|
| 01 Digital Storage Oscilloscope |  |
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