

**Nvis 6514 Experimentations with Transient Analysis of RC/RL Circuits** 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 response 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 and RL circuits theoretically and practically.

### Features

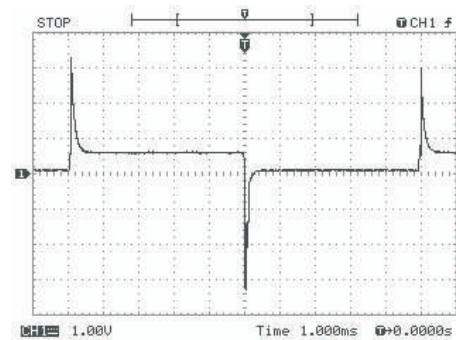
- Easy experimental illustration of transient analysis of RC and RL circuits
- Evaluation of time constants in RC and RL circuits with five different values of resistors
- Built-in +5V DC Power Supply
- Built-in TTL Generator
- Good Quality, reliable sockets are provided at appropriate places on board for connections
- A low cost training system

### Scope of Learning

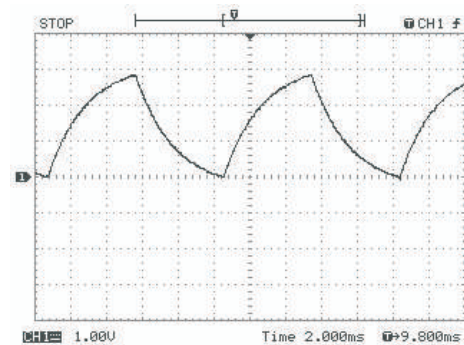
- Study the Transient Response of a series RC circuit and understand the time constant concept with DC Power Supply
- Study the Transient Response of a series RL circuit and understand the time constant concept with DC Power Supply
- Study the Transient Response of a series RC circuit with Signal Generator
- Study the Transient Response of a series RL circuit with Signal Generator

### Technical Specifications

<b>DC Power Supply</b>	: +5V
<b>Mains Supply</b>	: 230V ±10%, 50Hz
<b>Dimensions (mm)</b>	: D 250 x W 150 x H 80
<b>Weight</b>	: 2kg (approximate)



Transient Response of RL Circuit



Transient Response of RC Circuit