

**STUDY OF TRANSIENT RESPONSE
IN LR, RC & LCR CIRCUITS
USING EXPEYES
OMEGA TYPE ETB-283**



Study of transient response in LR, RC & LCR circuits using expeyes **OMEGA TYPE ETB-283** has been designed specifically for the Transient Response 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, RL & RLC circuits. Compare the Under Damped, Critically Damped and Over Damped cases with the theoretical and practical approach.

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.

- 05 Study the transient response of a series RLC circuit with TTL for under damped, critically damped and over damped cases.

FEATURES

- 01 Easy experimental illustration of Transient response of RC, RL & RLC circuits
- 02 Built-in +5 V DC Power Supply
- 03 Built-in Signal Generator

TECHNICAL SPECIFICATION

- 01 Mains Supply : 230 V \pm 10%, 50 Hz
- 02 Dimensions (mm) : W310 x H125 x D210
- 03 Weight : 1.1 KG (Approx)

LIST OF ACCESSORIES

- 01 Patch Cord 50cm - 4mm Red.....02
- 02 Patch Cord 50cm - 4mm Black.....01

OTHER APPARATUS REQUIRED:

- 01 Digital Storage Oscilloscope
- 02 Digital Multimeter Omega Type DMM-201

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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