

CURRENT DIP GENERATOR : FE-25500



The **Current Dip Generator** is a specialized device, used to test the ability of EUT to withstand temporary and short interruptions in the supply. This generator is designed to simulate conditions found in the power grid due to faults or large load switching, helping to ensure the reliability of EUT in worst case scenarios. The generator creates controlled current dips and short interruptions to mimic real – world scenarios that can occur in an electrical grid. The generator outputs a specific AC sine wave, with controlled current dip as per user specified time period, for a user specified test duration.

Features:

- Controlled sine wave profile generation of dip as per **IEC 60947-2**.
- Maximum rated current output up-to **500 A**.
- User settable **Dip current**, in fractions **0**, **0.4** and **0.7** of rated current.
- Dip transition period measured **up-to 400µs**, less than required time frame of 1ms.
- User settable Dip duration from 10ms to **1s**.
- User settable test duration up-to **999s**.
- **In-boxed** output current transformer. Easy to carry.
- **70 sq mm** heavy duty **stranded copper conductors** with heat resistant rubber insulation, crimped with copper cable lugs. Easy to screw-in at terminals.
- In-built **thermal protection** and fans, for power stage amplifier.
- **Power line filter** embedded in supply for interference protection.
- Input **AC mains supply** : 1Ø, 50 Hz/60 Hz, 230-250 Vac, 6 A.
- Signal output from CT terminals for observation on **oscilloscope**.
- In-built **class-0.3(B-0.5) measurement CT** for measurement of output current displayed on LCD.
- Easy push button configuration for setting the parameters, commencement of the test and end the test.
- Has a **dedicated memory** to remember last configured settings.
- [Download Detailed User Manual:](#)