



# CG 10L/510R

For Conducted & Radiated Comb Generator

- Conducted Comb Generator  
Frequency Range: 10kHz/500kHz ~ 30MHz for LISN
- Radiated Comb Generator  
Frequency step:5/10MHz/step switchable for RE



EMC Instruments corporation

Sales Partner:



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absolute-emc.com  
Phone:703-774-7505  
info@absolute-emc.com



- Frequency Range: 10kHz/500kHz ~ 30MHz for LISN  
5MHz/10MHz ~ 1000MHz for RE
- Frequency step: 10kHz/500kHz/step switchable  
for CE, 5/10MHz/step switchable  
for RE



## Description

The CG10L/510R Conducted & Radiated Comb Generators are reference signal sources for testing Line Impedance Stabilization Networks (LISN) and Radiated emission measurements.

CG10L/510R output has the harmonics of the fundamental frequency specified by the step size. There are two switchable frequency step sizes: 10kHz/500kHz step switchable for Conducted emission, and 5/10MHz/step switchable for Radiated emission for 30MHz-1000MHz.

This allows checks and investigations on conducted measurement systems to be made, for example using a LISN for conducted measurements.

CG10L/510R have high impedance to external AC or DC line voltage up to 230 V. This feature allows the Comb Generator to be used while the LISNs are connected to external power source.

CG10L/510R is powered by a rechargeable internal battery and external power cable connection.

When fully charged, the battery allows continuous operation of up to 16 hours. The Conducted Comb Generator is included with a battery charger, USB cable accessories that are shipped in a wooden storage box.

## Application

The main application of Conducted Comb Generator is to quickly verify conducted emissions test setups. And the most important application is troubleshooting conducted measurements using an LISN.

With the CG50L/510R Comb Generator, the test engineer will be able to perform quick a verification of the conducted test setup more frequently to assure accurate test results.

Other possible applications of the CG50L/510R Conducted Comb Generator could include, production evaluation of components, such as cable shields and filters.

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## Specification

Frequency Range	10kHz/500kHz ~ 30MHz for LISN 5MHz/10MHz ~ 1000MHz for RE
Frequency Step	10kHz/500kHz/step switchable for CE 5/10MHz/step switchable for RE
Charging time	8-10 Hours
Usage time	16 Hours
Size	120mm(W)*82mm(D)*85mm(H)
Net Weight	1.1Kg

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