

CG50L510R

Comb Generator

Description

CG50L510R Conducted Comb Generator serves as signal sources for testing Line Impedance Stabilization Networks (LISN) of conducted emission for 50kHz-30MHz and radiated emission measurements for 5MHz-1GHz within EMI Chambers. With switchable frequency step sizes of 50kHz and 500kHz, they enable thorough checks on conducted measurement systems, such as allowing assessments using LISN and RE standard connectors. The generators' output harmonics align with specified fundamental frequencies based on the chosen step size. Additionally, they feature a rechargeable battery for up to 16 hours of continuous operation and come with a battery charger, USB cable, and accessories in a storage box.

Application

The main purpose of a Comb Generator is to efficiently validate setups for conducted & radiated emissions testing. Its primary application lies in troubleshooting conducted measurements using a LISN and EMI Radiation emission chamber.

With the Comb Generator, the test engineer can conduct frequent and rapid verifications of the conducted test setup, ensuring the reliability of test results.

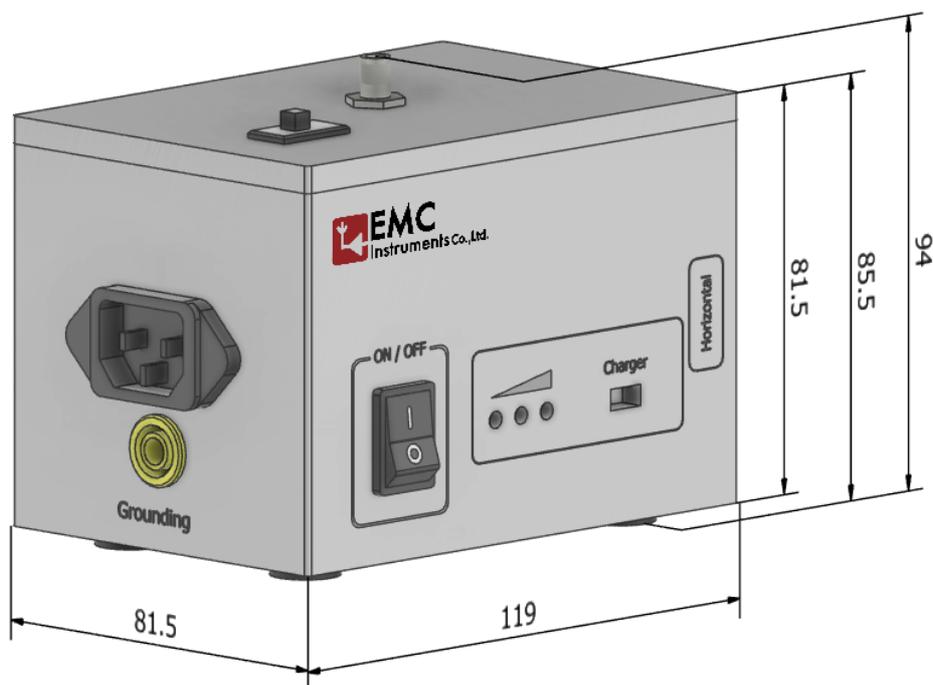
Additional potential applications of the CG50L510R Comb Generator may involve the production evaluation of components, such as cable shields and filters, as well as chamber validation in accordance with CISPR16.



Specifications

Frequency Range	50kHz - 30MHz for AC / DC LISN 5MHz/10MHz - 1GHz for RE
Frequency Step	50kHz / 500kHz step switchable for AC / DC LISN 5MHz / 10MHz step switchable for RE
Power Requirements	USB mini, +5 Vdc
Output Connectors	50 ohm, SMA Female
Charging Time	8 - 10 Hours
Usage Time	16 Hours
Size (mm * mm * mm)	119 * 81.5 * 85.5
Net Weight	1 kg

Dimensions





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