

# **CG10L510R**

**Comb Generator**

## Description

CG10L510R Conducted Comb Generator serves as signal sources for testing Line Impedance Stabilization Networks (LISN) and conducting 10kHz - 30MHz radiated emission measurements within EMI Chambers. With switchable frequency step sizes of 10kHz 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.

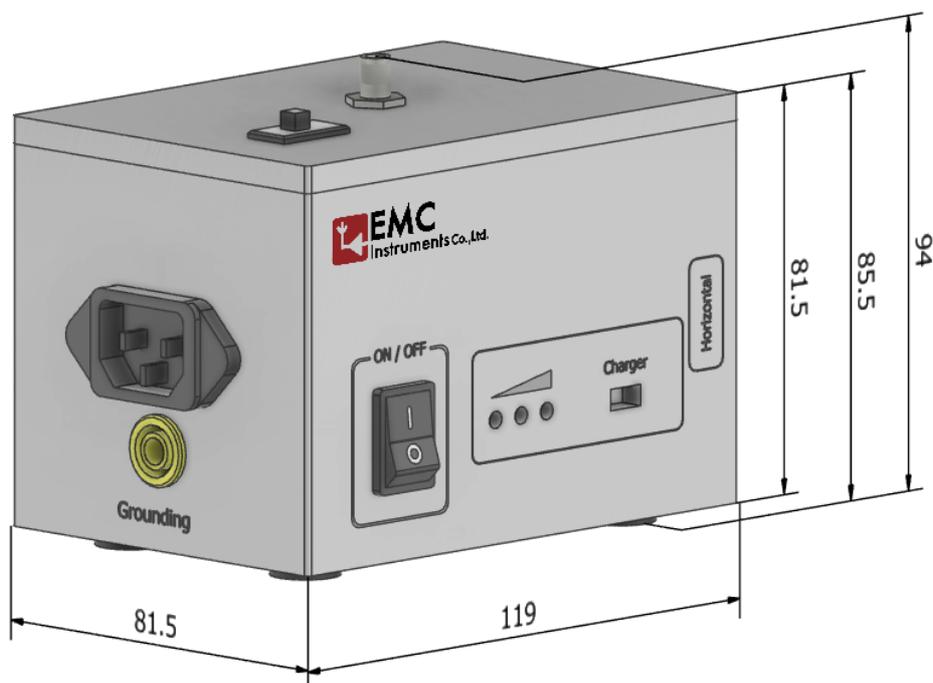
Additional potential applications of the CG10L510R Comb Generator may involve the production evaluation of components, such as cable shields and filters, as well as chamber validation in accordance with CISPR16.



## Specifications

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

## Dimensions





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