



Harmonic Comb Generator for LISN



This calibration generator is designed for the periodical control of the LISN (line impedance stabilization network) or of other devices. With this harmonic comb generator it is possible to control the reproducibility of the whole measurement system from the LISN to the spectrum analyser including the cabling, protection circuits, receiver, quasi-peak detector, etc. The equipment contains a pulse generator with a variable frequency control and a coupling network. The equipment has a rugged isolated case and is supplied with batteries.

An output for the direct connection to the LISN (protected by a fuse) and a RF 50 ohm output are available.

SPECIFICATIONS

Type	CGC10M
Repetition frequency	0.1 Hz to 10 MHz (step 1 - 5 - 10)
Frequency range	0.1 Hz up to 2 GHz
Peak output voltage	2.7 V (on 50 Ω)
Frequency stability (10 - 75 °C)	+/- 100 ppm (quartz)
Level stability (10 - 50 °C)	0.25 dB
Level stability (7 - 13 V _{dc})	0.02 dB
Maximum output level	up to +1.3 dBm @ 10 MHz at the 50 Ω output
Battery life	12.5 hours @ 10 MHz / 33 hours @ 0.1 Hz
Battery type	6LR6 9 V (rechargeable batteries can be used)
Input	for external supply : 8 - 16 V _{dc}
Output impedance	50 Ω (BNC connector)
Safety	designed to protection class II
Dimensions	165 x 115 x 60 mm
Weight (with battery)	430 g