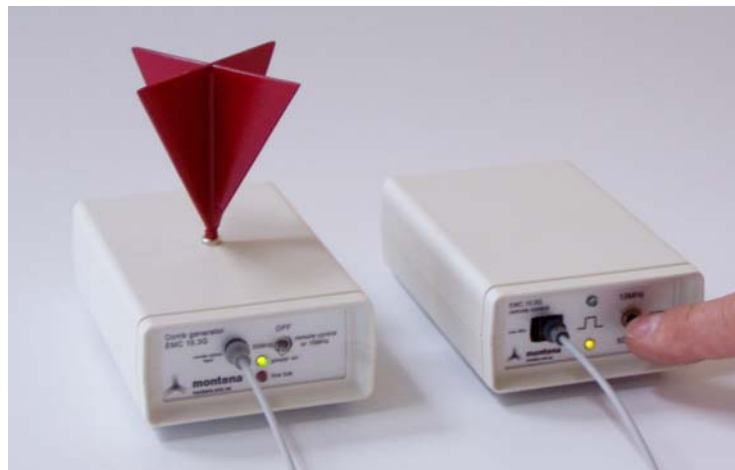




## Harmonic Comb Generator - E-Field



This harmonic comb generator is designed for the periodical control of EMC test sites (measurement of the radiated field). It is possible with this equipment to control the reproducibility of the whole measurement system from the antenna to the spectrum analyser including the cabling, preamplifiers, receiver, quasi-peak detector, etc. The equipment is also designed to measure the shielding effectiveness of small boxes and cubicles. The repetition frequency can be changed with a remote control (optic fibre) in order to increase the level and frequency.

### SPECIFICATIONS

Type	EMC10-3G
Repetition frequency	10 MHz or 50 MHz
Frequency range	10 MHz - > 5 GHz
Frequency stability (10 - 75 °C)	+/- 100 ppm (quartz)
Level stability (10 - 50 °C)	0.25 dB
Level stability (7 - 13 V <sub>dc</sub> )	0.02 dB
Radiated field polarisation	mainly vertical
RF Level (50 MHz repetition)	up to 87 dB $\mu$ V/m @ 10 m at least 55 dB $\mu$ V/m @ 10 m (see next page)
Battery life (generator)	15 hours @ 10 MHz / 8 hours @ 50 MHz
Battery type	6LR61 9 V (rechargeable batteries can be used but the duration of the emission will be shorter)
Optic fibre type	plastic fibre HFBR
Dimensions	114 x 72 x 38 mm (without antenna) 114 x 72 x 130 mm (with antenna)
Weight (with battery)	180 g

Harmonic comb generator type 10.3G  
Typical emissions at 10 meter  
Position: 50 MHz

