

EME Guard XS

An EMF Monitoring Device to Alert Workers Near Antennas



- Accurate measurement with tri-axis sensors
- Instant audio and visual alarm
- Robust, reliable and user-friendly

Main features

User profile

- Persons working near antennas including installation and maintenance workers, broadcast, PMR and mobile phone operators or regulatory body employees

Measurement capabilities

- Continuous monitoring of Electromagnetic Field levels with isotropic tri-axis E-field sensors
- EMF Level indicated by a LED color scale
- Audio and visual alarms triggered when EMF exceeds the reference level

Frequency bands

- 80 MHz – 6 GHz

Safety recommendations

- ICNIRP
- FCC 96-326
- Safety Code 6
- 2013/35/UE
New EU Directive
- Alarm threshold can be adjusted at MVG factory upon request

Product Configuration

Equipment

- EME Guard XS
- MVG Case
- Wrist strap
- Lanyard
- Connecting adapter
- Armband
- 2 x 1.5 V Size N Alkaline batteries
- Instructions for use

Services

- Initial calibration
- Additional calibration
- Extended warranty

■ Included □ Optional

TECHNICAL CHARACTERISTICS

Probe	Isotropic 3-axes probe
Frequency range	80 MHz - 6 GHz
Lower detection limit	5 V/m
Upper detection limit	350 V/m

MEASUREMENT UNCERTAINTY

Frequency (MHz)	Frequency response	Axial isotropy
80 - 700	-2 / +4 dB	+/- 0.5 dB
700 - 2700	-1 / +5 dB	+/- 0.7 dB
2700 - 6000	+2 / +7 dB	+/- 0.9 dB

ALARM & CONFIGURATION

Reference threshold	Alarm threshold can be adjusted at MVG factory upon request
Visual alarm	7 LEDs
Audio alarm	2 tones (activated from 5 to 350 V/m)
Low battery indicator	Orange flashing LED

MEASUREMENT CONFIGURATION

Measurement period	1 sec
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CONDITIONS FOR USE

Temperature, humidity	-10°C to 50°C, 85% max humidity
Battery	2 x 1.5 V Size N Alkaline removable batteries
Battery life	> 1000 hours (> 50 days) ⁽¹⁾

MECHANICAL CHARACTERISTICS

Dimensions	132.5 x 48.5 x 28.7 mm (LxWxH) without connecting adapter
Weight	120 g with batteries

(1) If no alarm is triggered



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