

EME Guard XS Radar

An EMF Monitoring Device to Alert Workers Near Radar Transmitters



- Accurate measurement with tri-axis sensors
- Instant audio and visual alarm
- Robust, reliable and user-friendly
- Measurements up to 30 GHz
- Detects short pulsed signals



Main features

User profile

- Persons working near radar transmitters or 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
- Short pulsed signal detection

Frequency bands

- 80 MHz – 30 GHz

Safety recommendations

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

New EU Directive

Product Configuration

Equipment

- EME Guard XS
- MVG Case
- Wrist strap
- Lanyard
- Connecting adapter
- Armband
- 2 x 1.2 V / 500 mAh NiMH rechargeable batteries Size N
- Batteries charger
- 2 x batteries charge adapter
- Instructions for use

Services

- Initial calibration
- Additional calibration
- Extended warranty

■ Included □ Optional

TECHNICAL CHARACTERISTICS

Probe	Isotropic 3-axes probe
Frequency range	80 MHz - 30 GHz
Lower detection limit	5 V/m
Upper detection limit	350 V/m

MEASUREMENT UNCERTAINTY

Frequency response	80-700 MHz : -2/+4 dB 0.7-2.7 GHz : -1/5 dB 2.7-6 GHz : +2/+7 dB 6-16 GHz : +4/+13 dB 16-30 GHz : -8/+1 dB
Axial isotropy	100 MHz : ± 0.5 dB 2.6 GHz : ± 0.7 dB 5.5 GHz : ± 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
Alarms update period	1 sec

MEASUREMENT CONFIGURATION

Measurement period	20 ms
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CONDITIONS FOR USE

Temperature, humidity	-10°C to 50°C, 85% max humidity
Battery	2 x 1.2 V / 500 mAh Size N NiMH rechargeable batteries
Battery life	> 13 hours ⁽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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