

# 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 : $\pm 0.5$ dB
	2.6 GHz : $\pm 0.7$ dB
	5.5 GHz : $\pm 0.9$ 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 <sup>(1)</sup>

## 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



Contact your local sales representative for more information  
[salesteam@mvg-world.com](mailto:salesteam@mvg-world.com)  
[www.mvg-world.com/rfsafety](http://www.mvg-world.com/rfsafety)