



Instructions for use

Notice d'utilisation

使用说明

Instrucciones de manejo

Instruções para uso

إرشادات الاستخدام

使用説明書



[www.microwavevision.com/rfsafety](http://www.microwavevision.com/rfsafety)



## // INTRODUCTION

EME Guard XS is an EMF measuring device to alert workers near antennas. It continually scans for electromagnetic waves and, via its built-in sound and visual alarm system, alerts users whenever limits have been exceeded.

## // REGISTRATION

Registering your EME Guard XS device ensures that you will be notified of any necessary product upgrades. **Once the device has been registered, you will receive your warranty certificate by email.**

To register, please go to:

**[www.microwavevision.com/rfsafety/register](http://www.microwavevision.com/rfsafety/register)**

## // CUSTOMER SUPPORT

If you have questions regarding the following topics :

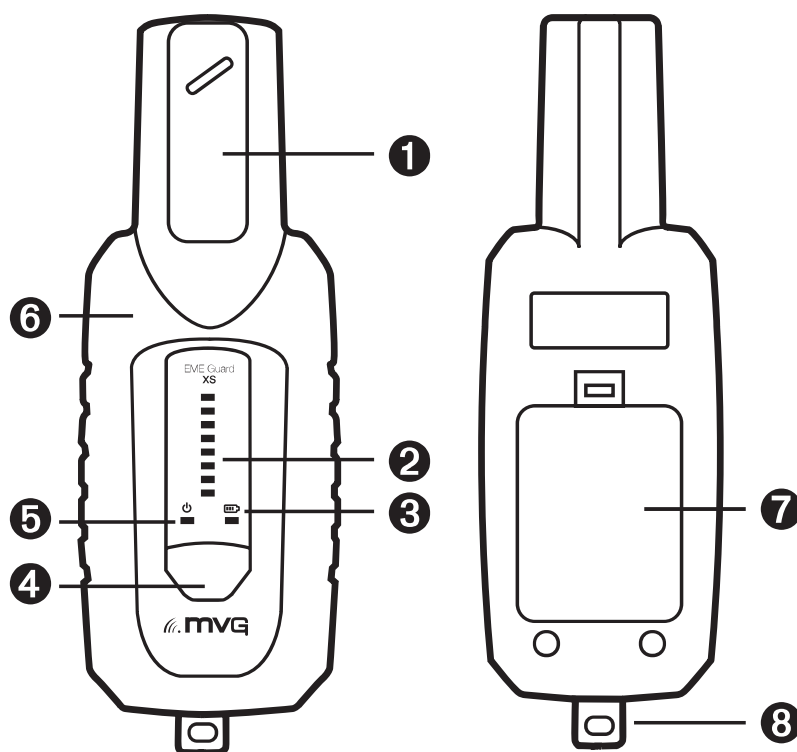
- Orders
- Prices
- Delivery time
- Repairs/Claims/Quality issues

Please contact your local retailer.

We appreciate your feedback and comments, if you have any queries regarding EME Guard XS, please contact us at:

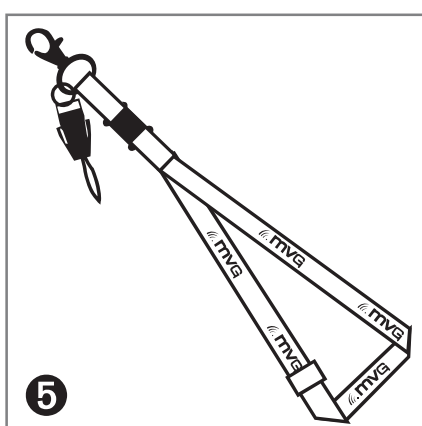
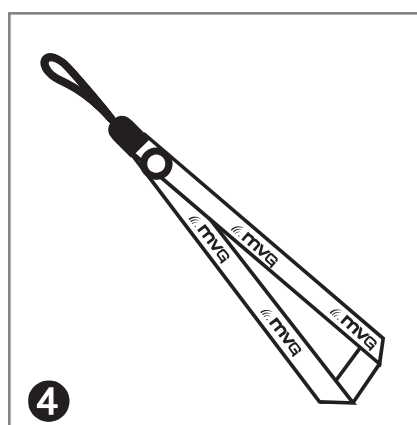
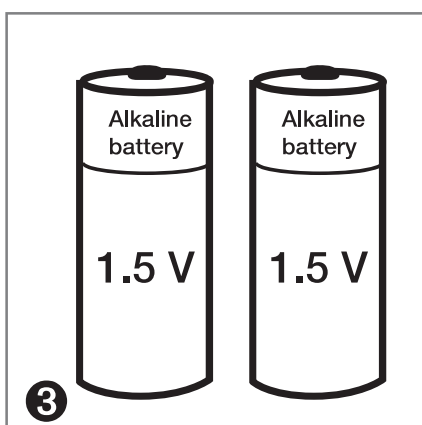
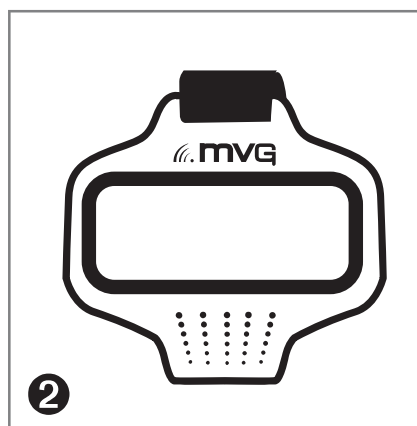
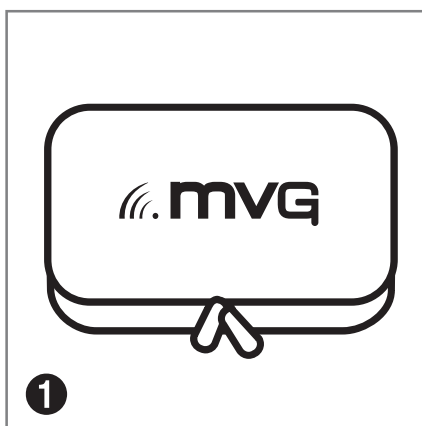
**[www.microwavevision.com/rfsafety/contact](http://www.microwavevision.com/rfsafety/contact)**

## YOUR DEVICE



① Tri-axis E-field sensors	Measurement of EMF levels
② Exposure level indicator	7 level indicators
③ Low battery indicator	This light flashes orange when the battery is low
④ Power switch	Press down to turn on/off
⑤ On/Off light	This light turns green and flashes when operating
⑥ Protective rubber casing	Waterproof and dustproof
⑦ Battery cover	Use 2 x 1.5 V Size N Alkaline batteries
⑧ Adapter	Screw for accessories

## ACCESSORIES INCLUDED



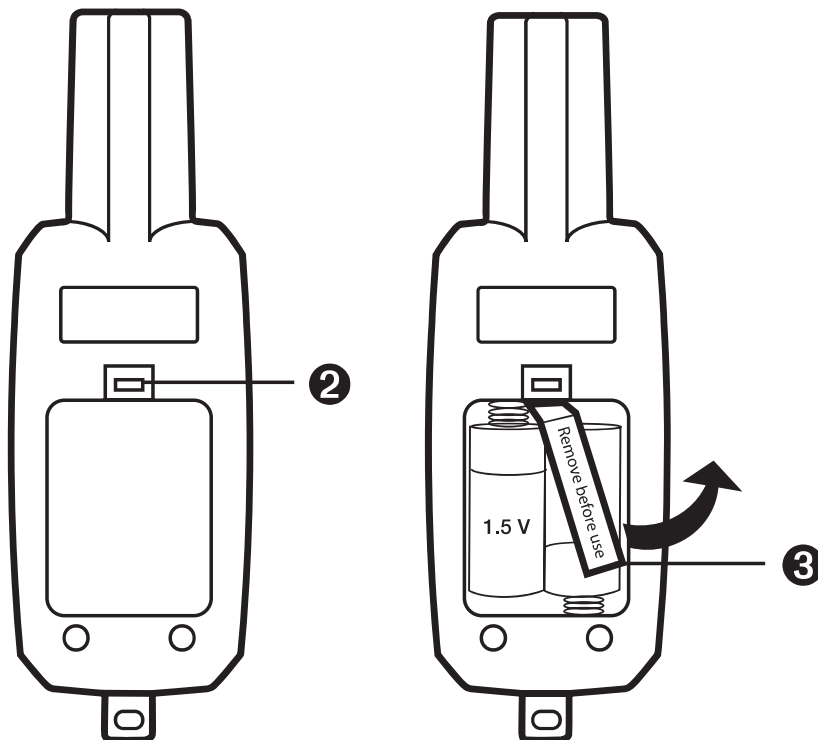
- 1 MVG Case
- 2 Armband\*
- 3 2 x 1.5 V Size N Alkaline Batteries
- 4 Wrist strap
- 5 Neck lanyard
- 6 Instructions for use

\* not included in the case

## GETTING STARTED

**⚠ Before use, the factory installed contact-breaker that disconnects the batteries during shipping needs to be removed.**

- ❶ Remove the protective rubber casing
- ❷ Press down on the latches to release the battery door.
- ❸ Pull out the tag to remove the contact-breaker and connect the batteries.
- ❹ After the contact-breaker has been removed, put the battery door and the protective rubber casing back in place. Your device is now ready for use.



## BEFORE OPERATION

- EME Guard XS is only to be used by trained personnel.
- During startup, each indicator will flash accompanied by a beep from the audio alarm. If the battery capacity is sufficient, the On/Off light will turn green and flash. If the battery capacity is not sufficient, the Low Battery Indicator will turn orange and flash. Replace the batteries before further use.



- At start-up, the device will automatically start the measuring functions. The audio alarm is also activated.

## MEASUREMENT

- ➊ Press the Power Switch until the On/Off light turns green. All the indicators will then flash, accompanied by a beep from the audio alarm.
- ➋ Carry the device with accessories or attach it to a tripod for continuous measurement of EMF levels.
- ➌ Measurement outside of the specified frequency range will not be accurate and cannot be guaranteed.

**! DO NOT COVER** the tri-axis sensors with metallic parts as this will degrade its measurement capability.

## ALERT

When the exposure level rises above the predefined threshold, the user is alerted by the audio alarm. The LED corresponding to the particular exposure level will also light up.

## SPECIFICATIONS

- Frequency range: 80 MHz – 6 GHz
- Probe: Isotropic tri-axis probe
- Detection limit:
  - Lower: 5 V/m
  - Upper: 350 V/m
- Battery type: 2 x 1.5 V Size N Alkaline<sup>(1)</sup>
- Battery life: > 100 hours<sup>(2)</sup>

*(1) Only use indicated type of batteries*

*(2) If no alarm is triggered*

### Indicator Levels

LED	Field Level (V/m)
7	350
6	270
5	137
4	61
3	28
2	14
1	7

### Sound Levels

Sound	Field Level (V/m)
Tonality 1	61
Tonality 2	137



## 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

# DECLARATION OF CONFORMITY

**CE** Compliance for Europe

We, the manufacturer  
RF Safety Product Center  
**SATIMO Bretagne**  
Technopole Brest Iroise  
Z.I. du Vernis  
225 rue Pierre Rivoalon  
29200 Brest, France

declare that the product described as followed:

- Product: EMF monitoring device
- Brand name: EME Guard XS is in compliance with the following Directives: 2002/96/EC – Electrical Waste and Electronic Equipment; 2004/108/EC-Electromagnetic compatibility.

# CALIBRATION CONFORMITY

MVG certifies that the performance of the following unit has been verified to be within operating specifications.

- Serial number & Calibration date:

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- Recommended calibration interval: 2 years

**QA Representative**  
Mustapha ELANSALI

