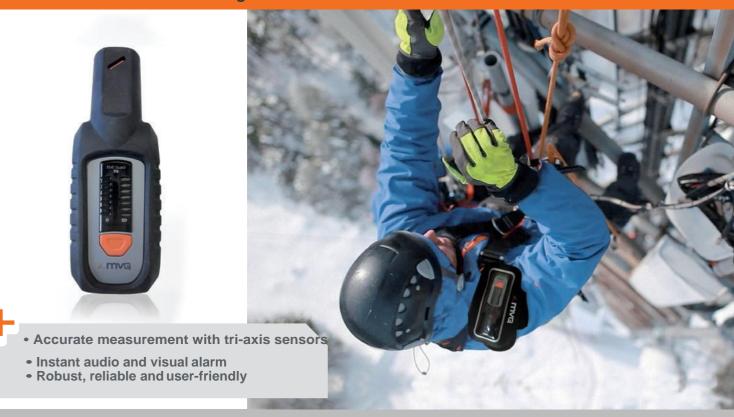
# Authorized Distributor UK & IRELAND:

# EME Guard XS



INSTRUMENTS 4 ENGINEERS LTD Tel: +44 (0) 161 871 7450 www.instruments4engineers.com

# An EMF Monitoring Device to Alert Workers Near Antennas



# Mainfeatures

# 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
- Alarm threshold can be adjusted at the
- FCC 96-326Safety Code 6
- factory upon request
- 2013/35/EU

# Product Configuration

# Equipment

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

## Services

- Initial calibration
- Additional calibration
- Extended warranty

#### 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
Visualalarm	7 LEDs
Audioalarm	2 tones (activated from 5 to 350 V/m)
Low battery indicator	Orange flashing LED

1 sec

#### MEASUREMENT CONFIGURATION

Measurement period

### 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) <sup>(1)</sup>	

#### MECHANICAL CHARACTERISTICS

Dimensions	132.5x48.5x28.7mm (LxWxH) without connecting adapter
Weight	120 g with batteries

(1) If no alarm is triggered

#### STANDARD FACTORY SET ALARM THRESHOLDS

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	

Alarm Thresholds can be adjusted at the factory.Please advice requirements at the time of order.

# Authorized Distributor:



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