



# WaveMon RF-8

## Personal RF Monitor

-  **OVEREXPOSURE WARNING**  
Audible, visual and vibratory alarm
-  **EMF EXPOSIMETER**  
Datalogger, instant & average values
-  **ICNIRP, 2013/35/EU, FCC, SC6**  
Occupational/Shaped response
-  **ELECTRIC AND MAGNETIC FIELD**  
Isotropic, RMS



Compliance  
with ITU-T K.145



Data  
geolocation



# WaveMon Applications



Worker's safety



Telecommunications



Energy



Railway



Medical



Labs



Aeronautical



Industry



Radar/Aerospace



Optional accredited calibration

## Technical Specifications

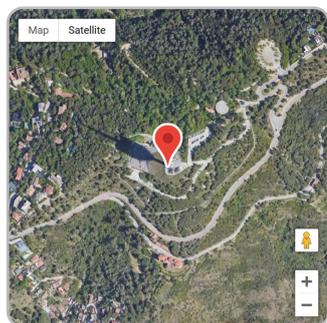
Sensor type	Isotropic, RMS diode technology	
Frequency	<b>E-field:</b> 300 kHz – 8 GHz (see version selection table in next page) <b>H-field:</b> 3 MHz – 1 GHz (see version selection table in next page)	
Response	Shaped (ICNIRP 1998/2020, Directive 2013/35/EU, FCC and Safety Code 6)	
Interface	1 button ON/OFF, status and low battery LED	
Indicators	6 LEDs + Audio + Vibration	
Alarm threshold	2 limits adjustable by user	
Connectivity	Waterproof USB (for downloading data and recharging)	
Falling detection	Yes	
Autonomy	> 1 month (at 8 h/day, 5 days/week)	
Memory and Data logging	> 40 million samples. Total memory size: 8 GBs  For 8 hours measurements, memory will last for 1389 days (i.e., > 5 years measurement).	
Positioning	GPS and Altimeter	
Logging Interval	1 second to 60 minutes (adjustable by user)	
Averaging Interval	1 second to 60 minutes (adjustable by user)	
Battery Type	2 x AA NiMH battery rechargeable by USB	
Protection	IP 54	
LF immunity (50 – 60 Hz)	> 30 kV/m	
Temperature range	-20 / +50 °C (-4 / +122 °F) – Charging: 0 / +40 °C (+32 / + 104 °F)	
Humidity	5% to 95%, non-condensing	
Size	174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ")	
Weight	190 g (6.7 oz.)	
	<b>E-field</b>	<b>H-field</b>
Dynamic range	1 – 300 %	2 – 300 %
Linearity	±0.5 dB (2% – 200%)	±1 dB (5% – 200%)
Isotropic deviation	±1 dB @ 1GHz	±1 dB @ 400 MHz

# WaveMon RF-8

## WaveMon Version Selection Table

Versions	Response shaped to	Frequency range and response	
		E-field	H-field
<b>WaveMon RF-8 ICN</b> <b>WaveMon RF-8 EUD</b>	<b>ICNIRP</b> <b>EU Directive 2013/35</b>	<b>300 kHz – 8 GHz</b> <b>±3.5 dB</b>	25 MHz – 1 GHz ±1 dB (30 MHz – 700 MHz) +0 dB / -2.5 dB (700 MHz – 850 MHz) +0 dB / -5 dB (850 MHz – 1 GHz)
<b>WaveMon RF-8 FCC</b>	<b>FCC</b>	<b>3 MHz – 8 GHz</b> <b>±3.5 dB</b>	3 MHz – 1 GHz ±1 dB (3 MHz – 400 MHz) ±2 dB (400 MHz – 850 MHz) +0 dB / -4 dB (500 MHz – 1 GHz)
<b>WaveMon RF-8 SC6</b>	<b>Safety Code 6</b>	<b>10 MHz – 8 GHz</b> <b>±3.5 dB</b>	25 MHz – 1GHz ±2 dB (30 MHz – 800 MHz) +0 dB / -5 dB (800 MHz – 1 GHz)

## WaveMon accessories



**GPS**  
Part # W-WAVEMON-GPS

WaveMon Internal GPS



**WaveStick**  
Part # WWMA0002

Adjustable extension stick  
(73 cm / 28,74 ")



**Safety cable**  
Part # WWMA0001

WaveMon safety attachment  
cable



**WaveMon Lanyard**  
Part # WWMA0003

Breakaway neck security lanyard