

# WaveMon RF-8



## Personal EMF 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



Optional  
features



# WaveMon Applications



Worker's safety



Telecommunications



Energy



Railway



Medical



Labs



Aeronautical



Industry



Defense



Optional accredited calibration

## Technical Specifications

<b>Sensor type</b>	Isotropic, RMS diode technology	
<b>Response</b>	Shaped (ICNIRP 1998, Directive 2013/35/EU, FCC and Safety Code 6)	
<b>Interface</b>	1 button on/off, status and low battery LED	
<b>Indicators</b>	6 LEDs + Audio + Vibration	
<b>Alarm threshold</b>	2 limits adjustable by user	
<b>Connectivity</b>	Waterproof USB (for downloading data and recharging)	
<b>Falling detection</b>	Yes	
<b>Autonomy</b>	> 1 month (at 8 h/day, 5 days/week)	
<b>Data logger</b>	> 1 000 000 events	
<b>Positioning</b>	GPS and Altimeter	
<b>Logging Interval</b>	1 second to 60 minutes (adjustable by user)	
<b>Averaging Interval</b>	1 second to 60 minutes (adjustable by user)	
<b>Battery Type</b>	2 x AA NiMH battery rechargeable by USB	
<b>Protection</b>	IP 54	
<b>LF immunity (50 - 60 Hz)</b>	> 30 kV/m	
<b>Temperature range</b>	-20 / +50 °C (-4 / +122 °F) - Charging: 0 / +40 °C (+32 / + 104 °F)	
<b>Size</b>	174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ")	
<b>Weight</b>	190 g (6.7 oz.)	
	<b>E-field</b>	<b>H-field</b>
<b>Dynamic range</b>	1 - 300 %	2 - 300 %
<b>Linearity</b>	±0.5 dB (2% - 200%)	±1 dB (5% - 200%)
<b>Isotropic deviation</b>	±1 dB @ 1GHz	±1 dB @ 400 MHz

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

Product specifications and descriptions in this document subject to change without notice