







# 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



Harness, Belt, or Arm Holder

RF Absorber Integrated in Holder

Datalogger for exposure studies  
Instant and average values

Rechargeable and Replaceable  
Batteries for 200 h Autonomy

GPS and Altimeter  
(Optional)

E & H-Field Isotropic Sensors  
with RMS Response

Exposure % of the Standard

ON/OFF Status Button

High Intensity Audible  
and Vibratory Warnings

USB and Tripod Connectors

# WaveMon Applications



Worker's safety



Telecommunications



Energy



Railway



Medical



Labs



Aeronautical



Industry



Defense



Optional accredited calibration

## Technical Specifications

Sensor type	Isotropic, RMS diode technology	
Response	Shaped (ICNIRP 1998, 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)	
Data logger	> 1 000 000 events	
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)	
Size	174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ")	
Weight	190 g (6.7 oz.)	
Dynamic range	E-field	H-field
	1 - 300 %	2 - 300 %
Linearity	±0.5 dB (2% - 200%)	±1 dB (5% - 200%)
Isotropic deviation	±1 dB @ 1GHz	±1 dB @ 400 MHz

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