

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



Harness, Belt, or Arm 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)	
Size	174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ")	
Weight	190 g (6.7 oz.)	
	E-field	H-field
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

	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	Directiva Europea 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 - 1 GHz ±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

WaveMon RF-40



Personal EMF Monitor



OVEREXPOSURE WARNING
Audible, visual and vibratory alarm



EMF EXPOSIMETER
Datalogger, instant & average values



ICNIRP, 2013/35/EU, FCC, SC6
Weighted response



ISOTROPIC RMS
Electric Field Sensor



Harness, Belt and Arm Holder

E-Field Isotropic Sensors
with RMS Response

Datalogger
Instant and Average Values

Exposure Level as a %
of the Standard/limit

Rechargeable and Replaceable
Batteries for 200 h Autonomy

ON/OFF Status Button

GPS and Altimeter
(Optional)

High Intensity Audible
and Vibratory Warnings

USB and Tripod Connectors



WaveMon Applications.



Worker's safety



Telecommunications



Railway



Medical



Labs



Aeronautical



Industry



Defense

Technical Specifications



Optional accredited calibration

Sensor type	Isotropic, RMS diode technology
Response	Shaped to specific standards
Dynamic range	1 - 300 %
Linearity	±0.5 dB (2% - 200%)
Isotropic deviation	±1 dB @ 1GHz
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 (Optional)
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
Temperature range	-20 / +50 °C (-4 / +122 °F)
Size	174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ")
Weight	190 g (6.7 oz.)

	Response shaped to	Frequency range	Frequency response
WaveMon RF-40 ICN	ICNIRP	1 MHz - 40 GHz	1 MHz - 6 GHz: ±3.5 dB 6 GHz - 35 GHz: ±6 dB 40 GHz: +10 dB
WaveMon RF-40 FCC	FCC	1 MHz - 40 GHz	1 MHz - 6 GHz: ±3.5 dB 6 GHz - 35 GHz: ±6 dB 40 GHz: +10 dB
WaveMon RF-40 EUD	EU Directive 2013/35	1 MHz - 40 GHz	1 MHz - 6 GHz: ±3.5 dB 6 GHz - 35 GHz: ±6 dB 40 GHz: +10 dB
WaveMon RF-40 SC6	Safety Code 6	10 MHz - 40 GHz	10 MHz - 6 GHz: ±3.5 dB 6 GHz - 35 GHz: ±6 dB 40 GHz: +11 dB
WaveMon RF-40 NATO	NATO standards	1 MHz - 40 GHz	1 MHz - 6 GHz: ±3.5 dB 6 GHz - 35 GHz: -4/+8 dB 40 GHz: +13 dB

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