



# 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, NATO**  
Occupational/Shaped 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

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
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.)



Optional accredited calibration

	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

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

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