



# WaveMon LF-400

H field - DC to 400 kHz

## Personal EMF Monitor



**OVEREXPOSURE WARNING**  
Custom alarms



**LIMITS** for workers and general public,  
including AIMD bearers



**EMF EXPOSIMETER**  
With datalogger



**ISOTROPIC RMS and PEAK**  
magnetic field sensor



Optional  
features



# WaveMon Applications.



Worker's safety



Railway



Medical



AIMD - Active Implantable Medical Devices



Labs



Energy



Industry



Defense



Optional accredited calibration

## Technical Specifications

	DC (0 Hz)	10 Hz - 400 kHz
<b>Sensor type</b>	Isotropic hall sensors	Isotropic coils
<b>Type of response and limits</b>	% AIMD bearer (500 $\mu$ T) Medium Warning (3 mT) High Warning (30 mT)	% (shaped) For workers and public
<b>Dynamic range</b>	100 $\mu$ T to 40 mT	3-200% for workers limits 10-300% for public limits
<b>Isotropic deviation</b>	$\pm$ 2%	$\pm$ 5%
<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>	12 hours	
<b>Data logger</b>	>1 000 000 events	
<b>Positioning</b>	GPS and Altimeter (Optional)	
<b>Logging 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>Temperature range</b>	-20 / +50 $^{\circ}$ C (-4 / +122 $^{\circ}$ F) Charging: 0 / +40 $^{\circ}$ C (+32 / +104 $^{\circ}$ F)	
<b>Size</b>	174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ")	
<b>Weight</b>	194 g (6.8 oz.)	
<b>Software</b>	Downloading data, changing parameters (requires Windows 7 or later)	

Versions	Response shaped to
<b>WaveMon LF-400 EU</b>	2013/35/EU for workers and 1999/519/EC for public
<b>WaveMon LF-400 ICNIRP</b>	ICNIRP 1998 and ICNIRP 2010
<b>WaveMon LF-400 IEEE</b>	IEEE C95 2019 for workers and public

Preliminary Data Sheet · Product specifications and descriptions in this document subject to change without notice