



# WaveMon LF-400

H field - DC to 400 kHz

## Personal EMF Monitor



**OVEREXPOSURE WARNING**  
Custom alarms



**EMF EXPOSIMETER**  
With datalogger



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



**ISOTROPIC RMS and PEAK**  
magnetic field sensor





Worker's safety



Railway



Medical



AIMD · Active Implantable Medical Devices



Labs



Energy



Industry



Defense

## Technical Specifications



Preliminary Data Sheet



Optional accredited calibration

|                                    | DC  | 10 Hz - 400 kHz  |
|------------------------------------|---|--|
| <b>Sensor type</b>                 | Isotropic hall sensors  | Isotropic coils  |
| <b>Type of response and limits</b> | %<br>AIMD bearer (500 $\mu$ T)<br>Medium Warning (3 mT)<br>High Warning (30 mT) | % (shaped)<br>For workers and public                   |
| <b>Dynamic range</b>               | 100 $\mu$ T to 40 mT  | 3-200% for workers limits<br>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)                                 |  |
| <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)             |  |

|                              | LIMIT   |
|------------------------------|---|
| <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 C95-6 for workers and public                 |

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