



## Continuous measurement of electromagnetic fields

A permanent monitoring system that allows on-going scrutiny of the emission levels of electromagnetic radiation sources (mobile telephony, WiFi, RF generators, etc.) and verification that they meet the safety standards established by the competent authorities and regulations in each country. The measurements taken can be published via the Intranet/Internet.



Compliance with ITU K.83

### CONTINUOUS MONITORING (24/365)

of electromagnetic fields in facilities, laboratories, etc.

### BROADBAND MEASUREMENT

that allows an easy monitoring of EMF human exposure.

### CONTROL CENTRE

with web interface for remote management of monitoring stations and display of electromagnetic field levels on any computer with Intranet/Internet connection.

### EASY TO INSTALL

AC supply and ethernet communication.

### ALARMS

Realtime, audible and visual alarms.

### COMPLIES WITH ITU-T K.83 RECOMMENDATION

which specifies standards for implementation of networks for continuous measurement of electromagnetic emissions.



Visual alarm

# MONITEM Applications. Measurement of EMF radiation in:



Industry



Telecommunications



Laboratories



Defense



Medical

## HOW DOES IT WORK?



Emission Source



MonitEM



Online Control Centre



## Technical Specifications

<b>Sensor type</b>	Isotropic, RMS. Simultaneous 3-axis measurement
<b>Probe system</b>	Interchangeable, 10 Hz to 18 GHz
<b>Sampling frequency</b>	500 ms
<b>Averaging</b>	6-minute sliding window
<b>Data retention period</b>	Online: 1 minute to 60 minutes Offline: 1 second to 60 minutes
<b>Memory</b>	Eeprom + MicroSD card
<b>Communications</b>	Ethernet
<b>Programmable alarms</b>	Field level, low battery, hibernation, opening, calibration, communication error, probe error, temperature
<b>Operating log</b>	Temperature, communications, power supply, operating modes, etc.
<b>Power supply</b>	AC 110-220V
<b>Watchdog</b>	Smart power control unit
<b>Dimensions</b>	253 mm x 292 mm x 385 mm
<b>Weight</b>	3.6 kg
<b>Environmental protection</b>	IP66 / Installation kits
<b>Installation kits</b>	Wall, mast or tripod
<b>Alarms</b>	Audible and visual alarm

## Control centre (optional)

<b>Platform</b>	On server with internet/intranet access
<b>Administration interface</b>	Web browser
<b>Public interface</b>	Web browser
<b>Alarms</b>	Receives and manages alarms from installed MonitEM units
<b>Customization</b>	Language, client's logo, general information
<b>Reports</b>	Automatic PDF, CSV reports sent by e-mail
<b>Compatibility</b>	Management of data from MonitEM units and portable SMP2 device

## Additional services

### Warranty extension:

The 2-year standard warranty can be extended to 3, 4 or 5 years.

### Calibration plans:

Plan future calibrations now for 24 and 48 months with further discounts.

### Update plans:

Keep the system up to date with the latest firmware versions and software development.

### Training courses:

EMF theory and practical sessions at Wavecontrol or the client's offices.

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