

MonitEM-Lab



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

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

Control centre (optional)

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