MONITEM



Continuous measurement of electromagnetic fields

A permanent monitoring system that allows on-going scrutiny of the emission levels of any source of electromagnetic radiation (mobile telephone antennas, WiFi, high-voltage power lines, 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 Internet to the different stakeholder communities.



Compliance with ITU K.83

WAVECONTROL

MonitEM

wavecontrol.com

CONTINUOUS MONITORING (24/365)

of electromagnetic fields in specific locations (cities, schools, hospitals, etc.).

BROADBAND MEASUREMENT

that allows economies of scale in deployment of monitoring networks to cover large areas.

CONTROL CENTRE

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

EASY TO INSTALL

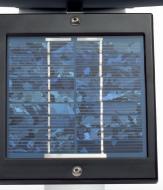
anywhere. Autonomy ensured by solar power supply and wireless communication.

RESISTANT TO HARSH WEATHER CONDITIONS

thanks to IP66 protective casing, making it resistant to heavy rainfall, high temperatures, dust, etc.

COMPLIES WITH ITU-T K.83 RECOMMENDATION

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



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WAVECONTROL

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MONITEM Applications. Measurement of EMF radiation in:





Industry

Telecommunications

Powerline





HOW DOES IT WORK?





Technical Specifications

SimultProbe systemInterchSampling frequency500 mAveraging6-minut	bic, RMS. aneous 3-axis measurement nangeable, 10 Hz to 40 GHz is ute sliding window : 30, 60 minutes : configurable from
Sampling frequency500 mAveraging6-minu	ute sliding window : 30, 60 minutes
frequency Averaging 6-minu	ute sliding window : 30, 60 minutes
	: 30, 60 minutes
period Offline	nd to 60 minutes
Memory Eepror	m + MicroSD
communications GPRS/	modem 3G (modem online) n radiation rejection
alarms openir	evel, low battery, hibernation, ng, calibration, communication probe error, temperature
	erature, communications, power , operating modes, etc.
Power supply AC 110 12V DC	-220V 2, Solar Panel, Battery
Battery life > 10 da	ays (without sun)
Watchdog Smart	power control unit
Dimensions 253 m	m x 292 mm x 385 mm
Weight 3.6 kg	(including solar panel)
Environmental IP66 / protection	Installation kits
Installation kits Wall, n	nast or tripod
GPS High-s	ensitivity WGS84 device (built-in)

Control centre

Platform	On a server with Internet 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 SMP device

Additional services

Hosted Control Centre:

Eliminate infrastructure and server costs by using Wavecontrol's cloud server.

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

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