

EMFields



Acousticom 2

Introduction

The Acousticom 2 measures signals in the frequency range used by most modern (200 MHz – 8 GHz) communication systems.

Readings are shown on LED lights. It also has a loudspeaker that helps determine what the source is.

Sound samples and a converter for RF units can be found at:

www.emfields-solutions.com/rf

The instrument is not completely waterproof and should be covered with a clear plastic bag if being used in heavy rain.

It needs a PP3 / MN1604 alkaline battery fitted in order to work.

Operation

Press the button to turn it on.

Once it has started operating normally, press the button to turn the sound on or off.

Press and hold to turn it off. It will automatically turn off after a few minutes in order to save battery life.

Having the sound on uses more power and reduces the battery life.

Note:

You may disable the alarm clicks that indicate “higher exposure” levels. To do this, do not release the button until the LED start up display has completed.

Interpreting the levels

6.00		Too high for ambient
3.00		levels (red)
1.00		Too high for people
0.30		with ES (amber)
0.10		People with ES may
0.05		have symptoms (yellow)
0.02		Most people with ES are
0.01		ok at the green levels

These are typical levels that sensitive people report as causing them problems.

Four mid-point levels are also set. Two LEDs are lit when these are reached (0.2, 0.6, 2.0, 4.5 V/m).

RF Exposure may cause:

Headaches; sleep disruption;
tiredness; irritability; tinnitus;
learning & memory problems;
cardiovascular symptoms;
behaviour problems;
gastric problems

Radiofrequency (RF) or microwave sources include:

Outside: mobile phone masts;
mobile phones; WiFi; radar; cars;
WiMAX; TV transmitters

Inside: mobile phones; cordless
phones; WiFi; Bluetooth; wireless
games consoles; burglar alarms;
baby monitors; CFLs; TVs &
laptops; microwave ovens

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European Approvals



The Acousticom 2 meets European
EMC, ROHS & WEEE requirements.

Much more information is available
including a free library of down-
loadable researched articles on the
EMFields Solutions website:

www.emfields-solutions.com