

## SI 1000+ Radio Frequency Safety Detector

SI 1000+ measures the strength of electromagnetic fields from mobile phones, microwave ovens, installations, RF welders etc.

SI 1000+ gives acoustic and visual warning, when the limit according to WHO ICNIRP is exceeded.



### Features

- Professional exposure limit
- Public exposure limit
- Audible Alarm
- Silent mode
- Liquid crystal display
- Compliant to WHO/ICNIRP
- Battery operated
- LED Alarm

### Specifications

- Frequency range: 10MHz - 10GHz
- Professional limit: 10W/m<sup>2</sup>
- Public limit: 2W/m<sup>2</sup>
- Current consumption: 110uAh
- Battery type: 2xAAA
- Operation time: > 250 days
- Weight: < 90g incl. batteries

### Conditions to use

- Temperature range: -10C to +50C
- Humidity: max 85%

### Applications

- Cost effective
- Belt clip
- Light weight
- Rugged design
- Radiation display
- Personal safety

### Ready for use

When **SI 1000+** is made ready for use; the batteries must be installed and the functions tested.

- Unscrew the battery cover on the back.
- Install two pieces of AAA Alkaline batteries



## Operating

### Operating SI 1000+

SI 1000+ has 3 alarm functions and two alarm levels. All functions are controlled by pressing the SELECT pushbutton. When SELECT is pushed there is audio and visual feedback.

### Changing of alarm level

SI 1000+ can be set to two alarm levels. The lower level is named PUBLIC and is automatically chosen when SI 1000+ is taken into service.

To change alarm level press and hold down the SELECT pushbutton for more than 5 seconds, where after the response will be 10 long or 10 short beeps. The chosen level is indicated by a lit bar, when no electromagnetic fields are present.

### Selecting of alarm function

By pushing the SELECT button, 3 different alarm functions can be chosen:

#### Normal (one beep)

In this position the SI 1000+ will give both audible and visual warning, when the chosen alarm limit is exceeded.

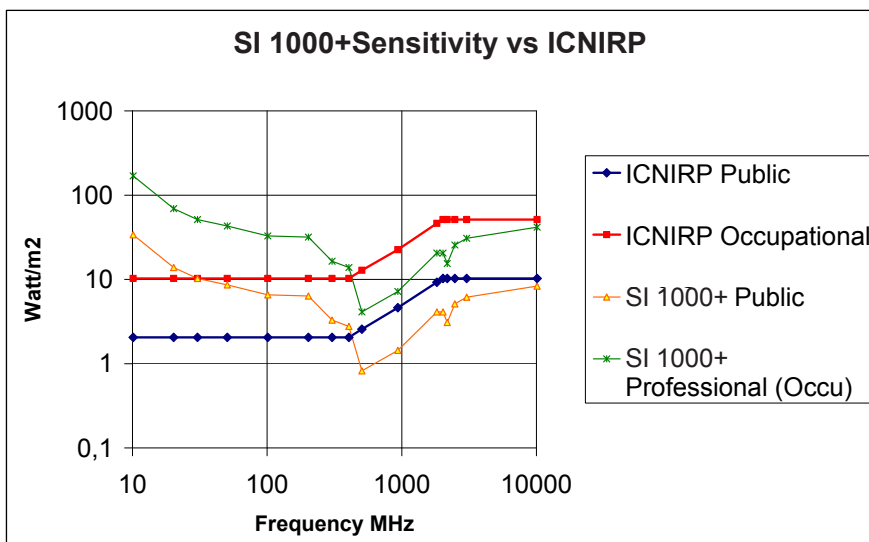
#### Timer (two beeps)

SI 1000+ will only give visual warning, when the chosen alarm limit is exceeded.

After approximately 5 minutes SI 1000+ will beep and return to normal position.

#### Silent (three beeps)

SI 1000+ will only give visual warning, when the chosen alarm limit is exceeded.



### Is it dangerous?

High frequency radiation is known from microwave ovens. The Power and the Time determines how quick and how hot the material gets.

Likewise will other types of electromagnetic radiation influence material near by. This again is a question of power and time when ever it is a health hazard.

WHO has given health hazard limits, these limits are accepted in most parts of the world as standards. The limits are divided into two levels, one for PUBLIC and one for persons trained to work in high frequency radiation areas called OCCUPATIONAL/PROFESSIONAL.

SI 1000+ is used to detect if you are in a high frequency radiation field that could be a health hazard. SI 1000+ can not give an exact value of the radiation strength or determine how long time you can stay in the radiation field.

When SI 1000+ gives alarm there is a health risk. If it is a place of work you should contact the Security Officer. If you have to work nearby antenna installations e. g. on top of buildings or at antenna towers you should contact the operator.