



# SafeOne<sup>®</sup> PRO

## PERSONAL RF SAFETY MONITOR

- Alerts to Hazardous RF Exposures
- Meets FCC, OSHA, and WHO Guidelines
- Visual and Audio Alarms
- Wide Radio Frequency Range
- Rugged, Professional Construction
- Best Value Pricing



SafeOne<sup>®</sup> Pro is an effective and economical means to monitor the strength of electromagnetic (RF) fields from mobile phone towers, microwave ovens, radio and television installations, high frequency welders, and other common workplace RF sources between 10 and 18,000 MHz. The Personal RF Monitor is an important tool in complying with FCC, OSHA, and other safe workplace requirements.

SafeOne<sup>®</sup> Pro gives you audio and visual warning when the IEEE and ICNIRP limit is exceeded on your body. It immediately alerts you to high frequency radiation fields that could be a health hazard. SafeOne<sup>®</sup> gives an approximate value of RF strength to help you determine how long you can stay in the radiation field. Extremely convenient to wear and use, the SafeOne<sup>®</sup> is the size of a cellphone and weighs under 3 ounces! It's smaller and much lighter than competing units!

### Wearing Your Monitor

The SafeOne<sup>®</sup> Pro should be worn on the belt with the supplied belt clip, or clipped to a harness in the optional carry pouch. Position the Personal Monitor clear of metallic objects, such as a tool pouch. The SafeOne<sup>™</sup> should not be used with an RF protective suit.

### Preparation for Use

To start using SafeOne<sup>®</sup> Pro, simply unscrew the battery cover on the back and insert two AAA alkaline batteries, perform a functional test, and set desired alarm parameters. No need to worry about the batteries - SafeOne<sup>®</sup> batteries last over 250 hours! The monitor incorporates a self-test function to be used whenever the monitor is turned on.

### Interpreting Your Monitor

The SafeOne<sup>®</sup> Pro uses a simple set of audible and visual alarms to alert you to dangerous radio frequency (RF) fields. Those alarms can be set for your convenience.

When SafeOne<sup>®</sup> Pro gives an alarm, it means that your RF exposure may be above FCC, OSHA, or ICNIRP limits. When this occurs, you should leave the area and proceed in accordance with your company's RF safety plan or consult the appropriate workplace authority.

### Maintaining Your Monitor

No routine maintenance is needed to keep your SafeOne<sup>®</sup> Pro in good order! Just take common sense measures to keep it clean, dry, and secure.

*Calibration services are available.*

### SI-1100XT SPECIFICATIONS

Frequency range:	10-18000MHz
Frequency profile:	ICNIRP-IEEE
Abs. accuracy:	400-2500MHz ±6dB
Indicated power:	0.01-10mW/cm <sup>2</sup>
Ind. field strength:	19-137 V/m
Dynamic range:	>30 dB
Audio alarm intensity:	80dBa
Timed sleep mode:	5 minutes
Power supply:	3 Volts (ZXAAA)
Battery life, w/o audio alarm:	+250 days
EMI/RFI:	EN55022/B
Dimensions:	inch 2.3 x4.2x0.9
WxHxD:	mm 58x105x23
Weight with batteries:	3oz (85grams)
Operating temperature:	10 to 104°F -10 to +40°C

*Specifications subject to change*



 **LBA Technology, Inc.**

3400 Tupper Dr. | Greenville, NC 27834 | 252-757-0279 | www.lbagroup.com

**TO ORDER NOW -**  
Contact Mike Senn  
michael.senn@lbagroup.com

# SPECIFICATIONS

## FOR SAFEONE® PRO PERSONAL SAFETY MONITOR

Model No.:	SI-1100XT
Frequency range:	10 – 18000 MHz
Frequency Sensitivity (Typical)	30MHz – 400MHz +10/-3 dB
ICNIRP Occupational	400MHz – 2GHz +6/-6 dB
E- field	2GHz – 10GHz +3/-6 dB 10GHz – Up undefined
Absolute accuracy 400- 2500MHz:	±6dB
Power range indicated:	0. 1 – 100 W/m <sup>2</sup> (0.01 – 10 mW/cm <sup>2</sup> )
Field strength indicated:	6 – 195 V/m
Sensor	Diode
Average Sample time	1 second
Isotropic, typical	±6dB
Overload	+20dB CW
Dynamic range:	>30dB
Audio Alarm	80dBa
LED Alarm always enabled	15mcd
Normal Mode Audio and LED Alarm: ( — ) @400 MHz	Public 0.2mW/cm <sup>2</sup> - 2W/m <sup>2</sup> - 28V/m Occupational 1mW/cm <sup>2</sup> - 10W/m <sup>2</sup> - 137V/m
Timed Mode Silent in: ( — — )	5 minutes
Audible Alarm Off Mode: ( — — — )	Never
Power Supply:	3Volt (2 X AAA Alkaline)
Max power consumption no alarm:	110µA
Operating time (no Audio Alarm)	+250 Days
Belt clip included	
EMI/RFI	EN55022 /B
Dimensions:	58 mm
- Width:	23 mm
- Depth:	105 mm
- Height:	
Weight incl. Batteries:	approx. 88g
Temperature:	-10 to 40°C
- Operating	-20 to 80°C
- Storage	
Colour: - Standard	Black/Grey

Specifications subject to change



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