

**Sensor Devices**  
Incorporated

*eScan*

Model 9200100

Instruction Manual

**Appendix B (cont):**

User Manual - Page 2

Thank you for purchasing eScan from Sensor Devices, Inc. The staff of SDI has worked very hard to provide you with the best metal detector possible. The eScan is the only metal detector that can be mounted on a Mag-Lite or Streamlight flashlight. Since most law enforcement professionals own and use these lights everyday, the eScan provides a level of convenience and ease of use never before seen. This instruction manual is your guide to proper operation and maintenance of the eScan. If, after reading the manual, you have any questions, please feel free to contact our technical support staff either by phone, fax, e-mail, or letter as follows:

Phone: 256-797-0255  
FAX: 256-726-8825  
E-mail: [support@sensordevices.com](mailto:support@sensordevices.com)  
Address: 106 Mystic Way  
Madison, AL 35757

Limitations of the eScan:

No detection method is 100% effective. Depending on conditions and method of use, the eScan could provide a false alarm or no alarm. The eScan should be used as a supplement to a hand search. With proper use, the eScan can provide effective, reliable detection of metallic weapons and objects.

**Appendix B (cont):**

User Manual - Page 3

FCC Statement

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: Unauthorized modification of this unit could void the user's authority to operate this equipment.

Specifications

**Detection Information:**

1. Large Objects (Large Handgun): 4-5"
- Medium Objects (Small Handgun or Large Knife): 2-3"
- Small Objects (Rings, Coins, Small Knife): 1/4"-2"

\* Detection ranges depend on the size and composition of the material to be detected.

2. Detects both Ferrous and non-Ferrous metals.
3. Detects in all directions. Not orientation dependent.
4. Automatically calibrates on power up.
5. Three levels of sensitivity can be selected by clicking the power button and sequencing through the lights.
6. Indication of metal is given by lights and Buzzer.
7. Provides object size discrimination.

**Power Requirements:**

1. Uses 9Volt Alkaline Battery.
2. Will do over 2000 searches on one battery.

**Appendix B (cont):**

User Manual - Page 4

3. On power up, LEDs and Buzzer indicate battery strength.
4. Automatically turns off after 10 minutes of no activity.

General Information:

1. Made of High Impact Strength Polycarbonate plastic.
2. UV stabilized to provide protection from the Sun.
3. Operating Temperature Range: 0 to 122 Fahrenheit  
Storage Temperature Range: -40 to 158 Fahrenheit
4. Weather Resistant.
5. Weight: ? oz.
6. Comes with Aircraft Aluminum Adapter for mounting to the end of a Mag-Lite or Streamlight flashlight.
7. Comes with optional end cap for standalone usage.
8. Complies with FCC Part 15 Subpart C, FCC ID: XXX123

Operation

1. Press and hold button until lights and horn come on (approximately 1 second). The number of lights and horn beeps indicate the strength of the battery. Three lights and three beeps represent a battery with full strength. Two lights and two beeps represent a battery with sufficient strength to continue operations. One light and one beep represent a battery with marginal strength. The battery should be replaced as soon as possible. If lights do not go off after 15 seconds, please replace the battery.
2. After the battery level indication, the unit automatically calibrates and sets the detection sensitivity to a middle level. At this point, the unit is in the search mode and may be used to search for metallic weapons or objects. To search an individual, sweep the unit around the body while maintaining a distance of at least 1 inch and no more than 4 inches from the body. An Indication of

**Appendix B (cont):**

User Manual - Page 5

the presence of metal is given by the lights and the horn. By varying the position of the unit, the size of the object can be determined.

3. To adjust the level of sensitivity, double click the button to place the unit in a menu mode. Initially, the unit is set to the middle level, which corresponds to two lights. To increase or decrease the sensitivity, single click the button to select one light for the lowest level and three lights for the maximum level. Once a choice has been made, do nothing. The unit will flash the lights, adjust the sensitivity, and return to the search mode.

**Maintenance**

Wipe exterior with damp cloth. Do not use harsh or abrasive chemicals or cleaning items.

**Warranty**

1-year parts and labor

2-year's parts

Extended warranty terms are available.