QUANTIFIEDAG®

SenseTag™ User Manual

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Support

Thank you for selecting Quantified Ag® products.
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Trademarks

Safety and Regulatory Information

Read all of the instructions listed here and/or in the user manual before you operate this device. Give particular attention to all safety precautions. Retain the instructions for future reference.

This device must be installed and used in strict accordance with the manufacturer's instructions, as described in the user documentation that is included with the device.

Comply with all warning and caution statements in the instructions. Observe all warning and caution symbols that are affixed to this device.

Do not open the device. Do not perform any servicing other than that contained in the installation and troubleshooting instructions. Refer all servicing to qualified service personnel.

This device should not be used in an environment that exceeds 60℃.

FCC Statements

FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Potential harmful interference to radio or television reception can be determined by turning the device off and on. If this equipment does cause such interference, the user is encouraged to make attempts to correct the interference by taking one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the device and receiver
- Consult the dealer or an experienced radio/TV technician for help

This device complies with Part 15 of the 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.

FCC CAUTION: Any changes or modifications not expressly approved by Quantified Ag™ for compliance could void the user's authority to operate the equipment.

FCC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with the FCC RF exposure compliance requirements, the separation distance between the antenna and a person's body (including hands, wrists, feet and ankles) must be at least 20 cm (8 inches).

This transmitter must not be co-located, or operating in conjunction with, any other antenna or transmitter.

The availability of specific channels and/or operational frequency bands are country-dependent,and are firmware programmed at the factory to match the intended destinations. The firmware setting is not accessible by the end user.

RESTRICTIONS ON THE USE OF WIRELESS DEVICES

In some situations or environments, the use of wireless devices may be restricted by the proprietor of the building or responsible representatives of the organization. For example, using wireless equipment in any environment where the risk of interference with other devices or services is perceived or identified as harmful.

If you are uncertain as to the applicable policy for the use of wireless equipment in a specific organization or environment, you are encouraged to ask for authorization to use the device prior to turning on the equipment.

The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this product, or the substitution or attachment of connecting cables and equipment, other than that specified by the manufacturer. Correction of the interference caused by such unauthorized modification, substitution, or attachment is the responsibility of the user.

The manufacturer and its authorized resellers or distributors are not liable for any damage or violation of government regulations that may arise from failing to comply with these guidelines.

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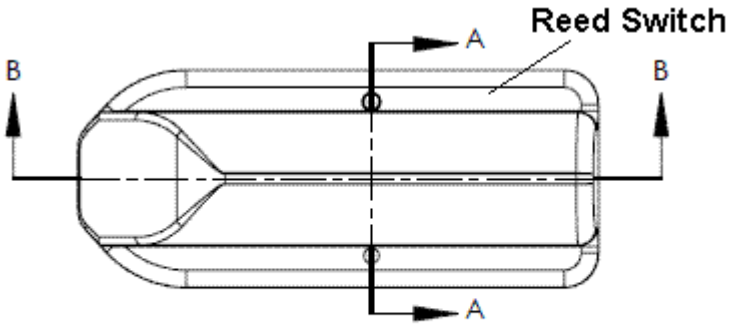
OVERVIEW

Operating Specifications

Frequency	902 - 928 MHz
Dimensions	3.765” x 1.271” x 0.925” (95.6 mm x 32.3 mm x 23.5 mm)
Weight	0.098 lb (44.45 grams)
Expected Battery Life	> 6 months
Operating Temperature	-40℃ to +60℃
Relative Humidity	20% to 90% non-condensing

Activation

To activate the tag slide a magnet past the reed switch location shown in the figure below. The LED should start to flash. The LED will flash for 5 seconds after which the unit will go back into deep sleep. If you hold the magnet next to the reed switch while the LED is flashing the unit will go into active mode. You can then place the unit in the tagging tool.



Tagging

1. Set air compressor regulator to 100 psi. Only use clean, dry, regulated compressed air.
2. With tool disconnected, make daily inspection to assure free movement of workpiece contact (safety element) and trigger. Do not use tool if workpiece contact (safety element) or trigger sticks or binds.
3. Squirt Senco pneumatic oil (5 to 10 drops) into the air inlet twice daily (depending on frequency of tool use). Other oils may damage O-rings and other tool parts.

4. Attach air hose from the compressor to the pneumatic tagging tool. Air hose must have a minimum working pressure rating of 150psig (10.3bar) or 150% of the maximum pressure produced in the system, whichever is higher.
5. Load staples into the pneumatic tagging tool. Tool may eject a fastener when connected to air supply; therefore, remove all fasteners from tool before connecting air.
    a) Pull feeder shoe back into “locked” position.
    b) Lay strip of staples onto rail. Do not load with work piece contact (safety element) or trigger depressed.
    c) Depress feeder shoe lock button and allow to slide forward.
6. Place backing into the backing guide.
7. Load an ear tag transmitter into the lower jaw of the pneumatic tagging tool.
8. Grab the appropriate ear with the non-tool hand and guide the ear tag transmitter into the top of the ear.
9. Squeeze the lower jaw handle on the pneumatic tagging tool after the tag is in position.
10. Depress the trigger of the tagging tool.
11. Release the trigger and the lower jaw handle (keeping the backing guide flush with the top of the ear), back the tool out of the ear.
12. Should a jam occur:
    a) Disconnect air supply.
    b) Pull feeder shoe back into “locked” position and remove staples.
    c) Release E-Z- Clear latch and open door.
    d) Remove jammed fastener, close door and latch.
    e) Connect air supply and replace fasteners. Depress feeder shoe lock button and allow to slide forward.
13. Disconnect tool from air before doing tool maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.