SENSYS Networks MAG3 Flex Sensor

SENSYS Networks MAG3 Flex Sensor User Manual

Contents

SENSYS®
Magnetometers & Survey Solutions

SENSYS Networks MAG3 Flex Sensor

Product Information

Specifications:

- Drill Bit Diameter: 80mm (3-1/8 or 3-1/4)
- Drill Hole Depth: 3.5/89mm
- Recommended Tools: Electric or Pneumatic drill, Vacuum cleaner, Depth measuring tool, Blow Torch
- Components: FlexMag3 Sensor, EZ-Out cup, Burst Pack with adhesive 2-part liquid, Depth tool

Product Usage Instructions

Step 1: Drill the Hole

1. Using a pneumatic or electric drill, drill a hole with a diameter of 80mm (3-1/8 or 3-1/4).
2. The hole should be drilled to a depth of 3.5/89mm.
3. If the hole is wet, use a blow torch to dry it up.

Step 2: Prepare the Adhesive

1. Squeeze the end of the pouch containing Part A towards the primary burst seal.
2. Apply even pressure until the primary burst seal slowly ruptures, allowing Part A to mix with Part B.
3. Knead the mixture for no more than 10 seconds.

Step 3: Fill the Hole with Adhesive

1. Remove the cap from the pouch.
2. Point the pouch into the hole and squeeze it to burst the secondary seal.
3. Pour the liquid adhesive into the hole using the depth tool to fill it until the adhesive just touches the depth tool, which should be 2.75 or 70mm from the top of the hole.

Step 4: Install the Sensor

1. Place the FlexMag3 Sensor in an EZ-Out cup with the label facing up.
2. Ensure that the arrow on the sensor is pointing in the direction of traffic.
3. Do this step within 15 seconds of completing the previous step.
4. Position the sensor about 1/8 or 3mm from the surface.

Step 5: Secure the Sensor

Press the sensor softly inside the hole until the epoxy starts flowing over and covers the sides.
Note: Before starting the sensor installation process, please make sure to read all steps completely. Steps 2 to 5 should be completed within a total of 1 minute.

FAQ

- Q: What tools do I need for installation?
  A: You will need an electric or pneumatic drill, a vacuum cleaner, a depth measuring tool, and a blow torch (if the hole is wet).
- Q: How deep should I drill the hole?
  A: The hole should be drilled to a depth of 3.5/89mm.
- Q: How should I prepare the adhesive?
  A: Squeeze the end of the pouch containing Part A towards the primary burst seal, applying even pressure until it ruptures. Knead the mixture for no more than 10 seconds.
- Q: How much adhesive should I pour into the hole?
  A: Fill the hole with an adhesive until it just touches the depth tool, which should be positioned 2.75 or 70mm from the top of the hole.
- Q: How should I position the sensor in the EZ-Out cup?
  A: Place the sensor in the EZ-Out cup with the label facing up and ensure that the arrow on the sensor is pointing in the direction of traffic.
- Q: How do I secure the sensor in the hole?
  A: Press the sensor softly inside the hole until the epoxy starts flowing over and covers the sides.

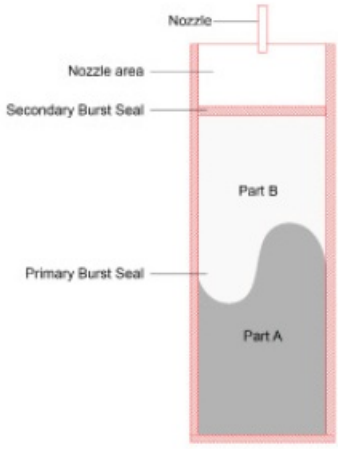
Before you begin

Before you begin installing, you will need

An Electric or Pneumatic drill with an 80mm (3-1/8” or 3-1/4”) Drill Bit, a Vacuum cleaner, and a depth measuring tool are recommended. You may also need a blow torch to dry up wet holes.

FlexMag3 Sensor and an EZ-Out cup for installation.

Burst Pack with adhesive 2 part liquid and a depth tool



INSTALLATION INSTRUCTION

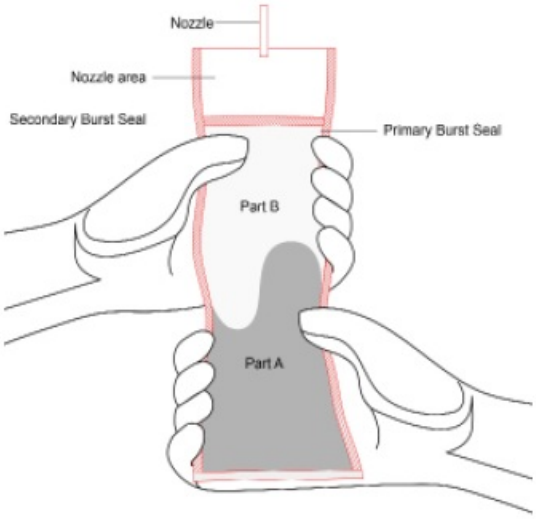
- STEP-1

  Using a pneumatic or electric drill, drill an 80mm (3-1/8” or 3-1/4”) diameter hole, 3.5”/89mm deep. Use a blow torch to dry the hole if Wet

Blow Torch

- STEP-2

  Squeeze end of pouch containing Part A towards primary burst seal, applying even pressure until the primary burst seal slowly ruptures allowing Part A to mix with Part B. Knead for no more than 10 seconds



- STEP-3

  Remove the cap, point the pouch into the hole, squeeze pouch to burst the secondary seal, and pour the liquid into the hole using the depth tool to fill until the adhesive just touches the depth tool, 2.75” or 70mm from the top of the hole.

- STEP-4

  Place the sensor in an EZOut cup with the label up and the arrow pointing in the direction of traffic within 15 seconds of the previous step to about 1/8” or 3mm from the surface.

- STEP-5

  Press the sensor softly inside the hole till epoxy starts flowing over and covers the sides.

Note: Before starting the sensor installation process, please make sure to read all steps completely. Steps 2 to 5 should be completed within a total of 1 minute.

Removing the sensor from EZ-Out Cup

1. STEP-1

   Remove excess epoxy from the top of the sensor and use a pry tool or set of flathead screwdrivers to extract the sensor. The EZ-Out cup housing the sensor will remain in the ground

2. STEP-2

   The clip that keeps the sensor locked in place could be broken in the process of removing the sensor. This is normal and a new clip should be used when reinserting sensor.

Installing a new sensor in the EZ-Out cup

- STEP-1

  Make sure to remove any debris from the EZ-Out cup before inserting a new sensor. The sensor will be a snug fit but easy to slide in.

- STEP-2

  Insert a new spare EZ-Out clip to lock the sensor in place.

P/N 152-240-100-016 Rev A

FCC

FCC/IC Warning RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment This equipment should be installed and operated with a minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

safety

- 2006/95/EC

EMC

- **FCC**: 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.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- CE0678
- 2004/108/EC
- IC: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

www.goldnote.it

Documents / Resources

	**SENSYS Networks MAG3 Flex Sensor** [pdf] User Manual MAG3 Flex Sensor, MAG3, Flex Sensor, Sensor

References

- **User Manual**