



450 Alabama St
San Francisco, CA 94110
nimasensor.com

USER MANUAL





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Product Numbers

This user manual is for both the Nima Portable Gluten Sensor as well as the Portable Peanut Sensor.

Portable Gluten Sensor	Portable Peanut Sensor
Model Number (HVIN) - 300-00015	Model Number (HVIN) - 300-00025
Model Name (PMN) – Roo	Model Name (PMN) – Koala
FCC ID: 2AISO-NIMA	FCC ID: 2AISO-KOALA
IC: 23314-NIMA	IC: 23314-KOALA

FCC Disclaimer

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.

Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

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 installation. 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. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Industry Canada Disclaimer

This device complies with Industry Canada Licence-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Industry Canada E-label Instructions:

To access the electronic e-label for both the Portable Gluten Sensor and Portable Peanut Sensor:

- 1) From an off-position press and hold the front button for 5 seconds
- 2) The “Ready To Pair” screen will be displayed which will be followed by the IC registration number and the model name [PMN] and number [HVIN].



IC Roo

PMN/HVIN Roo

IC Koala

PMN/HVIN Koala



How does Nima work?

With Nima, we have taken a complex laboratory style test and shrunk it into a simple, portable device. Closing the capsule prepares the food sample for mixing and testing. Our antibody chemistry then detects if there is gluten. Finally, our sensor reads the result. All of this allows you to feel more confident in your decision-making about what to eat. Nima should always be used in conjunction with clear advocacy for gluten free options and your better judgement. Your understanding of what Nima will detect [or not](#) and [how to sample](#) is critical to gaining accurate and reliable test results. It's intended to give you an additional data point and level of comfort when eating but is not a guarantee as we can only provide a result for the sample being tested. It is still your responsibility to do everything you can to let waitstaff know your needs, to ask friends to prepare gluten-free meals, to purchase items that are clearly gluten-free, and to advocate for yourself. Whether or not you wish to eat something will be up to you. We encourage everyone to download the Nima app for iOS or Android and pair your Nima so you can access your test history, receive firmware updates for improved device performance and share your results with the growing community!

How to Run a Test

How to test



Twist off the top of a new capsule. Using a clean hand or utensil, put a pea-sized amount of food into the capsule.



Fully close the capsule top. As you twist, you'll feel a pop. Continue twisting until you can't see the green ring anymore and the top's edge is aligned with the side.



Insert the capsule into the sensor. You'll feel a click.



Push Nima's button to turn it on. Push it again to start the test. In a few minutes, the screen will show the result.

Best practices for use

- Thoroughly [read sampling instructions](#) and information about [interpreting test results](#).
- Leave capsules wrapped until ready to use.
- Store capsules in a temperate environment. Extreme heat and cold will damage the integrity of the test. ***Do not store capsules in a hot car.***
- Wash hands before testing to help avoid cross contamination.
- Wipe outside of capsule clean of excess food and liquid before placing in Nima.
- Use a fresh capsule for every test.
- Prevent testing errors by crushing, chopping and shredding your food samples.
- Do not ingest test liquid or consume food sample after testing.
- Do not re-open the capsule after use. Throw capsule away. ***Not currently recyclable.***
- Wash hands with soap if you come in contact with testing fluid.

Nima logo

Powering on screen. This will only display for 15 seconds. A quick press will start the test. If no tests are being run, Nima will automatically turn off. Don't worry, there is no need to turn Nima off as this will happen automatically, and Nima's battery has a long life.



Ready to Pair

Signals Nima is ready to be paired with your Bluetooth enabled mobile device. This screen will be followed by the IC certification number and the model name and number.



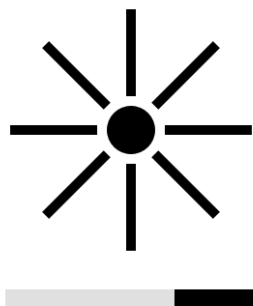
Push to Start

Push the button to turn Nima on, then push button one more time to start a test. Capsule must be fully inserted.



Running Test

Nima is running a test. This icon indicates something is happening. Might be accompanied by a noise – this means Nima is processing your food. There is a progress bar to indicate how far into the test you are.



Smile

Either no gluten detected or gluten detected below 20 parts per million (ppm).



Detected

Gluten Sensor: Nima found gluten in the sample tested.



Peanut Sensor: Nima found peanut in the sample tested.



Test Error

Inconclusive test. Rerun a new test with a fresh capsule.



Stand Up

Place Nima upright on a flat surface when running a test. Too much movement of Nima during testing may cause a failure.



Insert Capsule

Nima does not recognize or detect a capsule to test. Confirm the capsule top is fully closed. If it's not, the capsule will not click into place. A fully closed capsule shows no green ring and the cap should be flush with the body. Confirm the capsule is fully inserted into Nima. You should feel it catch when it's properly inserted.



Capsule Error

Nima has an issue with the capsule being tested. Confirm 1.) The capsule was not used for a previous test 2.) The expiration date is in the future 3.) There is nothing obstructing Nima's front window – use a clean cloth to wipe the inside of Nima as well as the outside of the capsule. If all conditions are met, re-run capsule. If an error still occurs, run a new test with a new capsule.



Tighten Capsule

“Tighten capsule” will display on Nima when the capsule top does not appear to be fully closed. If you see this message, remove the capsule and try to further tighten the cap. The green ring should not be visible and the top of the capsule should be flush with the body. Once the cap is closed and aligned, re-insert the capsule and try to run the test again.



Low Battery

Battery needs to be charged. See the “Battery” section under “Maintenance” for more information on battery life.



Maintenance

Cleaning

Both the inside and outside of the sensor can be cleaned with a damp cloth. At no time should Nima be rinsed or submerged under or in water. Don't get moisture in any openings or use aerosol sprays, solvents, or abrasives.

Battery life

Nima arrives charged. On average, battery charge lasts around 40 tests. Battery will last around 3 months if no tests are being run and Nima is off. Device will turn off automatically if not being used. From a completely dead battery, Nima will take 1 hour and 15 minutes to fully charge. The Nima is charged via the USB micro connector. You can plug the Nima to any USB 1.0 or 2.0 micro charger or directly into a USB port on your computer. The Nima is compliant to USB 1.0 and 2.0 current limitations and will not draw more than 300mA of current at its maximum charge rate.



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Storage temperature

Sensor and capsules should be stored in a temperate environment. Heat above 90 degrees Fahrenheit can cause damage. Don't expose your Nima to extreme heat or cold. To avoid potential issues, do not store in a vehicle during hot or cold temperatures.

Durability

Handle Nima with care. Nima contains sensitive electronic components, including a battery, and can be damaged or cause injury if dropped, burned, bent, crushed, or if it comes in contact with liquid. Do not use a damaged Nima.

Downloading the App

The Nima app is available on iOS and Android. To download, go to the Apple App Store or Android Plays Store and search for Nima. Download the app and open. You will be prompted to create an account and login.

Additional Questions

Did you receive Nima as a gift? Please [contact us](#) and make certain we have your email. We will ensure that you receive all our email tips and tricks for new device owners as well as our Friday Community Emails. If you have additional questions about Nima or how it works, please visit our [support center](#).