



Levana®

Oma Sense™

Movement Monitor with WakeUp® Technology

User Manual
32300

Introduction

Introducing Oma Sense™, Levana's simplest movement monitor that alerts you when no movement is detected. We know how tempting it is to check on your little one. When they're sleeping peacefully, that should be your time to relax.

In the event that no movement is detected for 15 seconds, Oma Sense™ will initiate fluctuating vibrations, LED lights and audible alerts to stimulate baby and encourage the return of regular movement.

If regular movement has not been re-established 5 seconds after the first alert, an emergency alarm with sounds and LED lights is initiated to alert parents that attention is needed.

This product was designed with a patented one-handed clip for simple attaching, adjusting and removing, and made with medical grade materials, because your little one deserves the best.

Learn more about Levana at www.mylevana.com

This product may be covered by one or more international patents or patents pending.

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Safety Instructions

Read and keep instructions: All the safety and operating instructions should be read before using this product.

- **CAUTION:** Oma Sense™ is not suitable for co-sleeping babies or bed sharing.
- This product is not a toy.
- Product is intended for indoor use only.
- **This product contains small parts. Exercise care when unpacking and installing the battery. Failure to do so can result in choking or death.**
- Coin size batteries can cause serious injuries if swallowed that can lead to death. Call 911 immediately if this occurs.
- This product should only be used with the Panasonic® 3V CR2450 battery. RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE!
- Dispose of used batteries in accordance with your country's laws governing the disposal and recycling of batteries.
- Keep away from sources of heat. This product should not be exposed to direct heat sources such as a candle, fireplace, radiator, heat register, stove, or other appliance that emits heat. The product should not be left in direct sunlight.
- This product should not be exposed to rain, excessive moisture, dripping, splashing or be submerged in liquid.
- Always remove the battery during long periods of non-use.
- Damage requiring service: This product should be serviced by qualified personnel only when:
 - Objects have fallen or liquid has been spilled into the product
 - The product has been exposed to rain
 - The product does not appear to operate normally or exhibits a distinct change in performance
 - The product has been dropped or the enclosure is damaged

Disclaimers

ATTENTION: THIS PRODUCT IS A BABY CARE AID AND NOT A MEDICAL DEVICE. IT IS NOT INTENDED FOR THE DIAGNOSIS, EXAMINATION, PREVENTION, TREATMENT OR MONITORING OF A DISEASE, INJURY OR IMPAIRMENT OR ANY KIND, INCLUDING BUT NOT LIMITED TO, SIDS (SUDDEN INFANT DEATH SYNDROME). THIS PRODUCT IS NOT A SUBSTITUTE FOR PROFESSIONAL JUDGMENT BY ANY HEALTHCARE PROVIDER. YOU ARE ADVISED TO ALWAYS CONSULT A PHYSICIAN FOR QUESTIONS REGARDING A MEDICAL CONDITION.

Only use monitor when baby is in a motionless bed/cot. Do not use in a car seat, stroller, swing or other mobile carrier as motion negates the functionality of the monitor.

This product does not replace responsible adult supervision. Check on your child at regular intervals and ensure that the product has adequate battery life remaining.

We reserve the right to change models, configuration, or specifications without notice or liability. Product may not be exactly as shown.

To the maximum extent permitted by applicable law, CWD accepts no liability for any damages incurred as a result of your use of the product. In no event will CWD, or its affiliated/related companies together with its members, employees, agents, contractors, representatives, manufacturers, distributors, and associates be liable for any direct, indirect, incidental, special, exemplary or consequential damages however caused and on a theory of liability, whether in contract, strict liability or tort (including negligence or otherwise) arising in any way out of the use of the product, even if advised of the possibility of such damage. CWD's aggregate liability with respect to its obligations under these terms of use or otherwise in connection with this product shall not exceed the USD retail value of the product. Some jurisdictions do not allow the limitation or exclusion of liability for consequential or incidental damages, so the above limitation or exclusion may not apply to you. If any limitation on remedies, damages or liabilities is prohibited or restricted by law, CWD shall remain entitled to the maximum disclaimers and limitations available under these terms of use and at law.

Disclaimers

YOU SHALL INDEMNIFY CWD AND ITS RELATED/AFFILIATED COMPANIES TOGETHER WITH ITS MEMBERS, EMPLOYEES, AGENTS, CONTRACTORS, REPRESENTATIVES, MANUFACTURERS, DISTRIBUTORS, AND ASSOCIATES FULLY AND HOLD CWD AND ITS RELATED/AFFILIATED COMPANIES TOGETHER WITH ITS MEMBERS, EMPLOYEES, AGENTS, CONTRACTORS, REPRESENTATIVES, MANUFACTURERS, DISTRIBUTORS, AND ASSOCIATES HARMLESS AGAINST ANY LOSSES OR LIABILITY IN CONNECTION WITH ANY DAMAGES ARISING FROM YOUR USE OF THE PRODUCTS FOR PURPOSES OF MEDICAL DIAGNOSIS OR TREATMENT.

These terms and conditions shall be construed, interpreted and governed by the laws of the country of your residence without regard to conflict of law provisions thereof.

This product may be covered by one or more international patents or patents pending.

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Compliance Statement

FCC Statement

FCC Rules CFR 47 Part 15: Section 15.19, 15.21, 15.105

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 product.

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 (ICES-003 Compliance)

Industry Canada ICES-003 Issue 5: Section 8

The manufacturer, imported or supplied shall meet the labelling requirements set out in this section for every ITE unit:

- (i) Prior to marketing in Canada, for ITE manufactured in Canada, and;
- (ii) Prior to importation into Canada, for imported ITE.

The presence of the label on the ITE represents the manufacturer's or importer's Self Declaration of Compliance (SDoC) to Industry Canada ICES-003. Each unit of an ITE model shall bear a label indicating the model's compliance with ICES-003.

CE

CE compliant with the following standards: EN 61000-6-3:2007/A1:2011, EN 61000-6-1:2007

RoHS Compliant

Support

We take quality very seriously. This is why all of our products come with a one-year warranty from the original purchase date against defects in workmanship and materials. If you have warranty or support issues please contact us at:

Web: www.mylevana.com

Support: www.mylevana.com/Support_Center.eng.html

Levana Canada

4080 Montrose Road
Niagara Falls, ON
Canada L2H1J9

Levana USA

840 Aero Drive
Cheektowaga, NY
USA 14225

Warranty Terms

- LEVANA® products are guaranteed for a period of one year from the date of purchase against defects in workmanship and materials. This warranty is limited to the repair, replacement or refund of the purchase price at LEVANA®'s option.
- This warranty becomes void if the product shows evidence of having been misused, mishandled or tampered with contrary to the applicable instruction manual.
- Routine cleaning, normal cosmetic and mechanical wear and tear are not covered under the terms of this warranty.
- Warranty covers only the device and not the battery. Use of battery types other than the Panasonic® 3V CR2450 battery will void the device warranty
- The warranty expressly provided for herein is the sole warranty provided in connection with the product itself and no other warranty, expressed or implied is provided. LEVANA assumes no responsibilities for any other claims not specifically mentioned in this warranty.
- This warranty does not cover the shipping cost, insurance or any other incidental charges.
- You MUST contact LEVANA at www.mylevana.com/Support_Center.eng.html before sending any product back for repair. You will be sent a Return Authorization form with return instructions. When returning the product for warranty service, please pack it carefully in the original box with all supplied accessories, and enclose your original receipt or copy, and a brief explanation of the problem (include RA #).
- This warranty is valid only in Canada and the continental U.S.
- This warranty cannot be re-issued.
- Please visit our website at www.mylevana.com for additional information about your product's warranty.

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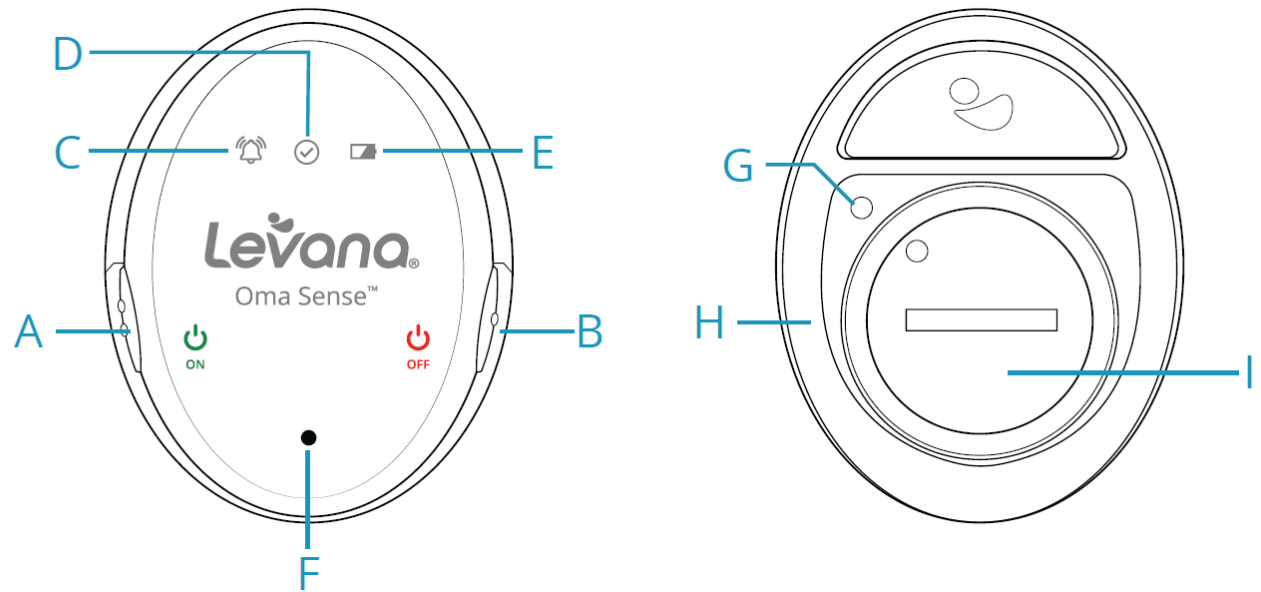
What's Included

- Portable Movement Monitor
- Carrying Case
- 2 X Panasonic® Coin Cell Battery
- Quick Start Guide
- 1 Year Warranty
- Lifetime Customer Support



Buttons & Functions

- A. Power ON
- B. Power OFF
- C. Alert Indicator
- D. Reassurance Indicator
- E. Battery Indicator
- F. Speaker Hole
- G. Door Lock Indicator
- H. Clip
- I. Battery Door



Using Oma Sense™

Start-Up & Shut Down

Power ON



Turn on Oma Sense™ by pressing the power ON button (located on the left of the device). When the device is turned on it will go through a self-test to ensure all features are working. This will activate all indicator lights, vibrations, and sounds in a random sequence.

- **Alert Indicator** - Tests the Alert LED function and will flash RED
- **Reassurance Indicator** – Tests the Reassurance LED function and will flash BLUE
- **Battery Indicator** – Tests the Battery status
 - Flashing GREEN when there is sufficient power
 - Flashing RED when the battery is low and needs to be replaced
- **Vibration & Sound** – Tests the alerts function and will vibrate and sound the alarm

The self-test lasts for a few seconds. The BLUE LED will flash continuously for approx. 30 seconds and will then flash every 30 seconds to indicate that Oma Sense™ is monitor baby's movement.

Power OFF



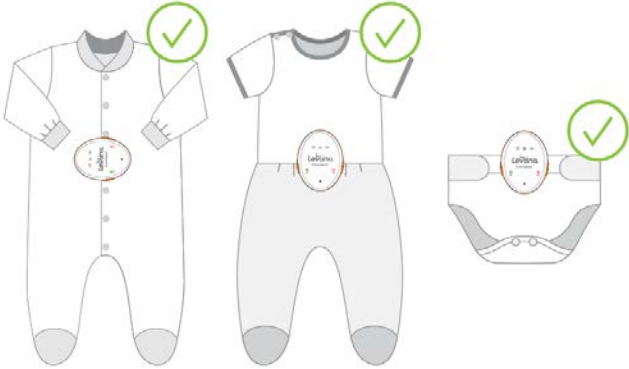
Turn off Oma Sense™ by pressing the Power OFF button (located on the right of the device). The device will check the battery status when powering off.

- GREEN flash to indicate the battery is good
- RED flash to indicate the battery needs to be changed before next use.

When Oma Sense™ turns off, monitoring will stop.

Using Oma Sense™

Proper Placement

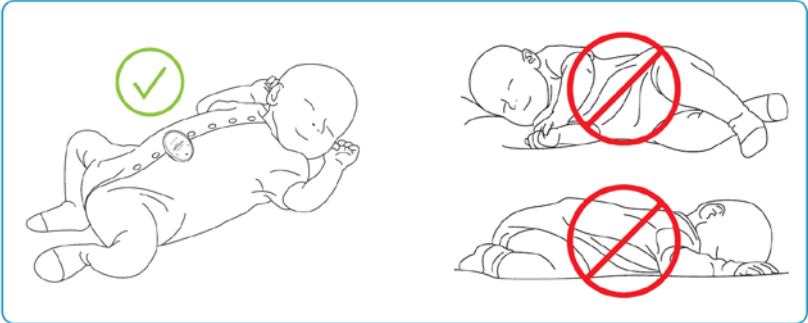


Optimal placement is just above the navel area where maximum belly movement can be monitored. Oma Sense™ monitors core body movement to stimulate baby when movement is not detected and alert you when attention is needed. Direct contact with baby's skin is not required, however is completely safe.

Proper Oma Sense™ Placement: Waistband Application



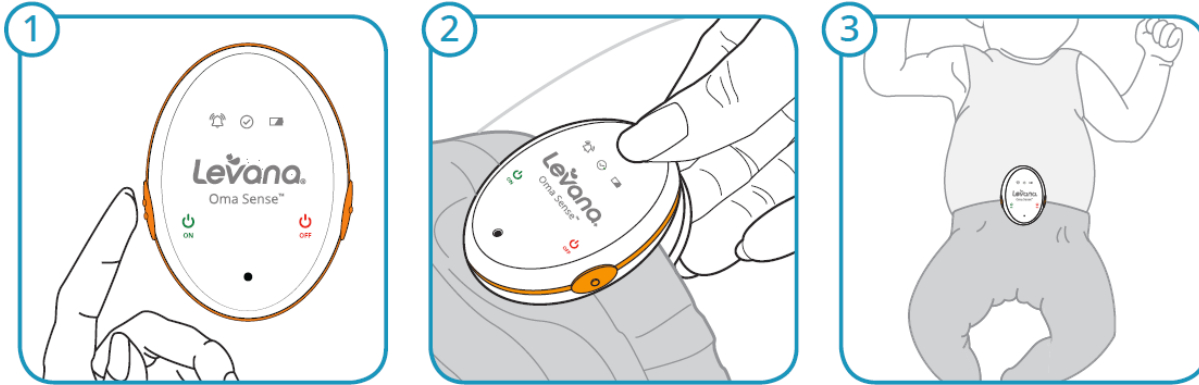
Proper Oma Sense™ Placement: Button-up Sleeper Application



Only use Oma Sense™ when baby is in a motionless bed/cot. Do not use in a car seat, stroller, swing or other mobile carrier as motion negates the functionality of the monitor. Oma Sense™ is not suitable for co-sleeping, tummy or side sleeping.

Using Oma Sense™

Secure your Oma Sense™ and Start Monitoring



Clip Oma Sense™ on your baby's button up sleeper or pajama waistband on the tummy area (see proper placement on page 12 and on the Proper Placement insert). Oma Sense™ is now monitoring your little one's movements.

If using blankets on baby, ensure the alarm can still be heard. If attaching Oma Sense™ to a diaper, make sure that the waistband is snug on baby's tummy and high enough to detect proper movement. If the device is not placed in the optimal position, false alerts could occur.

The Reassurance Indicator flashes blue every 30 seconds to let you know baby's movements are being detected. In the event that no movement is detected for 15 seconds, Oma Sense™ will initiate randomized vibrations and audible alerts to stimulate baby and encourage the return of regular movement. If regular movement has not been re-established 5 seconds after the first alert has completed, an emergency alarm with LED lights and audible alerts will notify parents that attention is required.

The device will check the battery status when being powered off . A GREEN flash indicates the battery is good. A RED flash indicates the battery needs to be changed before the next use. When Oma Sense™ turns off , it will no longer monitor movement.

TIP: To extend the distance the alarm can be heard, Levana recommends using Oma Sense™ together with an Audio or Video Baby Monitor. Visit www.mylevana.com to view our complete line of Levana Baby Monitors.

How Oma Sense™ Works

Indicator Lights



Alert Indicator

Red Flashing Light
No Motion Detected



Reassurance Indicator

Blue Flashing Light
Unit is On and Working



Battery Indicator

Green Light
Battery is OK



Battery Indicator

Red Light
Replace Battery

Alerts

Oma Sense™ was designed with WakeUp® Technology which features fluctuating vibrations, LED and audible alerts to increase baby's response to stimuli.

Stimulation Alert

- If no movement is detected for 15 seconds, Oma Sense™ uses a patented anti-sensory adaptation algorithm to sound an audible alarm with flashing LEDs and gentle vibration to stimulate your baby and encourage the return of regular movement.
- If movement returns the Reassurance Indicator will return to flashing BLUE every 30 seconds and will continue to monitor baby's movement. **NOTE:** Each time an alert occurs the BLUE LED will flash every 3 seconds for the first 30 seconds and then will return to every 30 seconds.

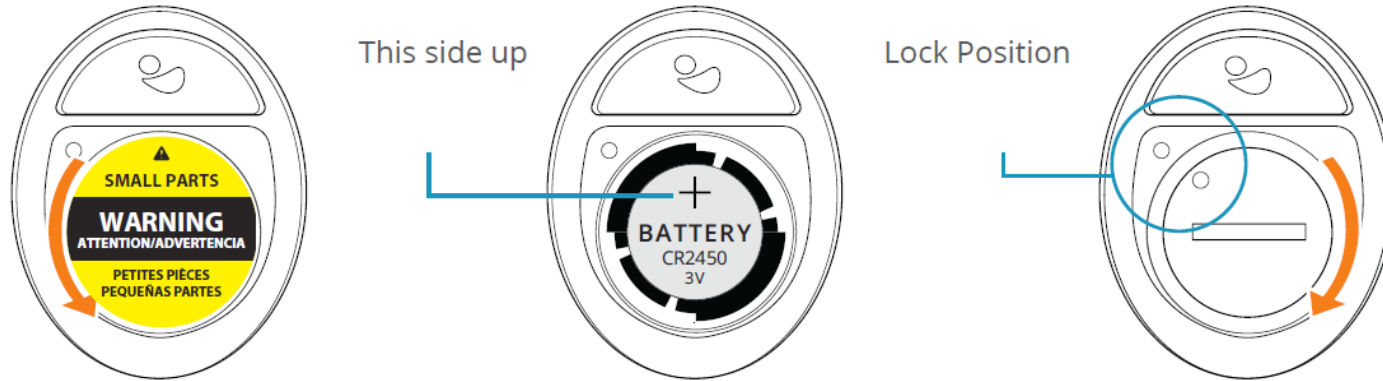
Emergency Alarm

- If movement does not return 5 seconds after the Stimulation Alert, Oma Sense™ sounds an emergency alarm with flashing LED lights and audible alarm to alert parents attention is needed. Oma Sense™ will encourage movement with a short period of vibrations, while you get to your baby. The alerts and lights will continue until the device is powered off.

Battery Care

Installation & Replacement

ATTENTION: This product contains small parts. Exercise care when unpacking and installing the battery. Failure to do so can result in choking or death. Coin size batteries can cause serious injuries if swallowed that can lead to death. Call 911 immediately if this occurs.



- When replacing a depleted battery **ALWAYS** turn the device off **BEFORE** changing the battery.
- Tip: Use a large coin to open and close the battery door.
- Open the battery door and place the Panasonic® (CR2450) battery in with the + side up.
- Close the battery door and ensure the Door Lock indicators on the device and the door line up.

Battery Life

Replace the battery as soon as the Low power RED LED is shown to ensure Oma Sense™ is working properly. Your Oma Sense™ comes with an extra battery to make sure you are ready to change the battery when needed. We recommend you ALWAYS have a replacement battery on hand. Replacement batteries can be purchased through www.mylevana.com. NOTE: Failure to use a Panasonic CR2450 battery in the Oma Sense™ device will void the Levana warranty.

Care and Maintenance

Precautions

- Do not insert anything into the speaker hole.
- Do not allow any liquid to enter the speaker hole.
- The device is splash resistant, not waterproof. Do not immerse in water. If the device gets wet, dry it with a cloth immediately.
- **IMPORTANT:** Let the device dry completely before operating.

Cleaning & Storage

- To clean gently wipe with a damp cloth to remove any dirt. Baby wipes may be used for stubborn dirt. Do not use any other cleaning agents as they may contain damaging chemicals. **IMPORTANT:** Let the device dry completely before turning it on.
- When not in use for an extended period of time, remove the battery and store your Oma Sense in the carrying case.
- Always store in a cool and dry area.

Safe Sleep Tips

- Always place your baby alone and on their back to sleep.
- Use a crib that meets current safety standards. Use a firm mattress that fits snugly in the crib and is covered with only a tight-fitting crib sheet.
- Do not put anything soft, loose, or fluffy in your baby's sleep space. This includes pillows, blankets, comforters, bumper pads, stuffed animals, toys, or other soft items.
- Use a wearable blanket or similar type sleeper instead of traditional blankets to keep your baby safe and warm.
- Avoid falling asleep with your baby in your bed, couch, or armchair.
- Never allow your baby to sleep on any soft surfaces such as adult or child sized beds, sofas, chairs, waterbeds, pillows, cushions, comforters, sheepskins, or anything similar.
- Do not use pillows, wedges, or positioners to prop your baby up, keep them on their backs, or prevent them from rolling.
- Make sure your baby doesn't get too warm. Use light sleepwear on your baby and keep the room temperature comfortable for a lightly-clothed adult.
- Educate everyone who cares for your baby about these rules for sleep!

Specifications

MATERIALS	Medical Grade Acrylonitrile Butadiene Styrene (ABS) and Thermoplastic Elastomer (TPE)
BATTERY	Panasonic 3V CR2450, 620 mAh
NOISE LEVEL OF ALARM	85 dBm at 10 cm
IP RATING	IP53
UNIT DIMENSIONS	61.2 mm (H) x 48.8 mm (W) x 25.4 mm (D)
UNIT WEIGHT	31.4 g
PACKAGE DIMENSIONS	183 mm (H) x 131 mm (W) x 76 mm
UNIT AND PACKAGE WEIGHT	315 g
AGE RECOMMENDATION	0-6 Months

Troubleshooting

ISSUE	POSSIBLE REASON	POSSIBLE SOLUTION
<p>Alarm sounds for no reason.</p>	<ul style="list-style-type: none"> • Contact is lost between the device and baby. • Diaper is too large. Diapers that are too big loosen around the waistband, causing Oma Sense™ to lose contact. • Baby is now mobile and Oma Sense is not staying in place. 	<ul style="list-style-type: none"> • Check the proper placement page of the manual (see page 12) and product insert to ensure Oma Sense™ have been placed correctly. • Check that the diaper fits properly and is not too large. • We recommend using Oma Sense™ for babies 0 to 6 month and placing baby on their back to sleep.
<p>I am having difficulty hearing the alarm.</p>	<ul style="list-style-type: none"> • Too much clothing or too many blankets are covering the device lowering the volume of the alarm. • Baby is mobile and has flipped on her tummy to sleep. 	<ul style="list-style-type: none"> • Make sure the alarm can be heard if baby is covered clothing and/or blankets. • To extend the distance at which the alarm can be heard, Levana® recommends using Oma Sense™ together with an Audio or Video Baby Monitor. Visit mylevana.com to view our complete line of Levana Baby Monitors.
<p>The Battery Indicator light is flashing red.</p>	<ul style="list-style-type: none"> • Battery is nearing depletion. • Battery is fully depleted. 	<ul style="list-style-type: none"> • Battery needs to be changed (see page 15).
<p>Alarm is not working</p>	<ul style="list-style-type: none"> • The battery is nearing depletion – Battery indicator light is red. • Battery is fully depleted – Battery indicator light is red. 	<ul style="list-style-type: none"> • Battery needs to be changed (see page 15).

Frequently Asked Questions

QUESTION	ANSWER
Can I use the Movement Monitor with reusable cloth diapers?	Yes. If the cloth diapers are too thick for attachment the movement monitor should be securely attached to the diaper cover or waterproof pants – ensure a snug fit so that the movement monitor maintains body contact. You may need to position the movement monitor slightly to the side to ensure maximum contact.
Can the movement monitor be used with a baby that sleeps on his tummy?	The movement monitor relies on movement in the area where the sensor is located. Usually, when sleeping on its back (as recommended by the World Health Organization). Because of the restriction of the mattress, when baby sleeps on its tummy, tummy movements are reduced. When sleeping on the tummy, more breathing movements occur at the baby's sides than when sleeping on the back. You will need try and position the movement monitor away from the tummy (to avoid discomfort to baby), and place towards the sides where you can visibly see movement. There is a greater possibility of false alarms occurring in this position, however after a few trials you will find a position to attach the movement monitor that will provide successful monitoring of breathing movement. Please also be aware that if your baby sleeps on its tummy, alarm sounds may be muffled, therefore the use of an audio/video monitor may be required.
Is the movement monitor safe?	Absolutely! Baby's safety is paramount. Our movement monitors utilize an ultra-low voltage (3.0V) battery, emits no radiation and has no side effects.
Is the movement monitor rechargeable?	No, the battery is non-rechargeable however it can be replaced. Use only a 3V CR2450 battery, which is available to purchase at www.mylevana.com . We recommend using only the Panasonic 3V CR2450 battery.
Until what age is the movement monitor recommended?	Levana recommends that Oma Sense™ be used between 0 to 6 months.
Does an alarm go off with my unit or the baby's unit?	Oma Sense™ is a standalone wearable baby movement monitor designed to stimulate baby when no movement is detected. If movement has not been re-established 5 seconds after the first alert, Oma Sense™ sounds an alarm which is designed to alert parents that attention is needed.
How does this differ from similar products on the market?	Like similar products, this product is a wearable baby movement monitor. However, Oma Sense™ features our patented WakeUp® Technology which initiates randomized vibrations, LED lights and audible alerts when no movement is detected. This product also features our patented one-handed clip to offer an enhanced ease of use for parents. Oma Sense™ does not require any skin contact, allowing for placement on pants and onesies, and is made with medical grade materials for further comfort if you do choose to use on the diaper.
How does this product differ from Levana's previous Oma?	Oma Sense™ is our newest movement monitor featuring our patented WakeUp® Technology which initiates randomized vibrations, LED lights and audible alerts to simulate baby. Oma Sense™ also features a patented one handed clip improving the ease of use of the product. It is made with medical grade materials and skin contact is not required, unlike our previous, and many movement monitors in the market.

Frequently Asked Questions

QUESTION	ANSWER
If baby is sleeping in a vibrating or rocking bassinet, would those movements give a false sense of security is the baby stopped moving?	It is important that Oma Sense™ is only used on your little one while in a motionless crib, bassinet or playpen. Swings and other mobile carriers will negate the functionality of the monitor.
Can I use this monitor if I swaddle my baby?	Using a swaddle reduces abdominal movement, making it difficult for Oma Sense™ to properly monitor your little one. We do however recommend using it on button-up onesies or pants, so baby can stay cozy through naps and bedtime.
What is the warranty for this product?	The return policy for this product is same as all Levana products: 30 days, with a 1 year manufacturer's warranty.