User Guide

Getting Started with Instadose®VUE

Photon, Beta and Neutron

instadose® VUE

PERSONAL DOSIMETER

Introducing the Instadose®VUE

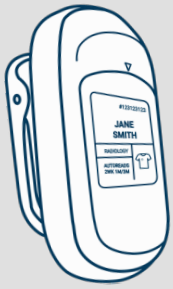
Combining the science of better radiation monitoring with state-of-the-art wireless processing and communication technologies, Instadose®VUE effectively captures, measures, wirelessly transmits, and reports occupational radiation exposure anytime, ON-DEMAND.

The electronic display screen enhances user visibility, engagement, and compliance. Dynamic wearer details, dose communication, device status, and compliance information are available on-screen, enabling users to see and know more.

On-demand (manual) and automatic (calendar-set) dose reads enable users to self-process dose reads whenever and wherever internet access is available.

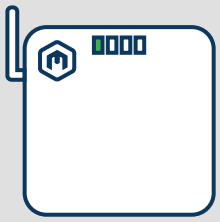
Instadose®VUE Dosimetry System

The Instadose®VUE dosimetry system consists of three main components: a wireless dosimeter, a communication device (either a smart device with the Instadose Companion Mobile App or an InstaLink™3 Gateway), and an online reporting system accessed through a PC. These three components work together to capture, monitor, and transmit an individual's exposure to ionizing radiation and maintain a comprehensive archive of official dose records for both dosimeters and wearers.



Instadose®VUE Dosimeter

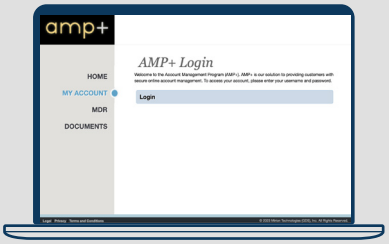
1



InstaLink™3 Gateway

Instadose Companion Mobile App

2



Internet-enabled computer (access to instadose.com)

3

Exploring the Instadose®VUE Dosimeter

The Instadose®VUE dosimeter features the latest Bluetooth® 5.0 Low Energy (BLE) Technology, allowing for rapid wireless transmission of radiation dose exposure data at anytime, and as often as needed.

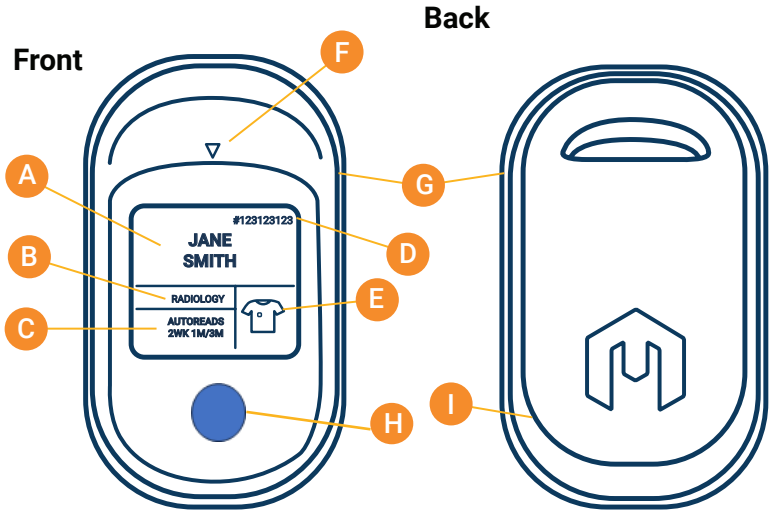
On-screen visibility enables users to verify the health and status of the device and provides operational feedback about dose reads and wireless transmissions.

New features include:

- Wearer details such as name, account number, location, and wear region*
- Date of the next automatic calendar read
- Dose communication status
- Temperature warnings
- Compliance Star indicator using motion detection
- Support and service alerts

**character limited to 15 characters each*

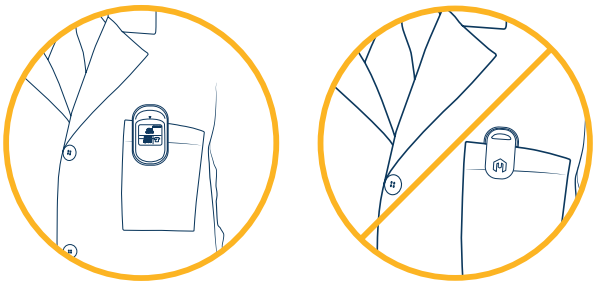
Understanding Your Instadose®VUE Wireless Dosimeter



- **A** Wearer's Name
- **B** Location / Department
- **C** Auto-Read Schedule
- **D** Account Number
- **E** Badge Wear Location (Body Region)
- **F** Detector Location
- **G** On-Demand Read Button
- **H** Beta Detector Window
- **I** Serial Number (Located Under Clip)

Wearing Your Dosimeter

Wear the dosimeter according to the body position indicated on the screen (collar, torso, fetal). Consult your RSO or Dosimeter Administrator for wear questions.



DO **DON'T**

Cleaning Your Dosimeter

To clean an Instadose®VUE dosimeter, simply wipe it down with a damp cloth over all surface areas. **DO NOT** saturate or submerge the dosimeter in any liquid.

For specific **DO**s and **DON'T**s regarding dosimeter cleaning, view the full Dosimeter Wear and Care Guide.

Storing Your Dosimeter

Extreme temperatures can impact dosimeter performance, compromising dosimeter operations, and may permanently damage internal components. Similar to modern smartphones, if the dosimeter is exposed to extreme temperatures, dose transmission is not possible until it returns to room temperature.

Store the dosimeter on a designated dosimeter badge board or in accordance with your organizational instructions. Dosimeters should be stored within 30 feet of an InstaLink™3 Gateway (if your facility has one) to ensure the automatic scheduled dose readings occur successfully.

- Do not allow dosimeter to overheat.
- Do not allow dosimeter to freeze.
- Do not immerse dosimeter in water.
- Do not store in a car, outdoors, or in a place with extreme temperatures.

On Screen Iconography

The display screen on all Instadose Vue badges provides wearer information, device status, and dose read/ communication feedback using icons.

Dosimeter Wear Location Icons

Collar Icon 

Torso Icon 

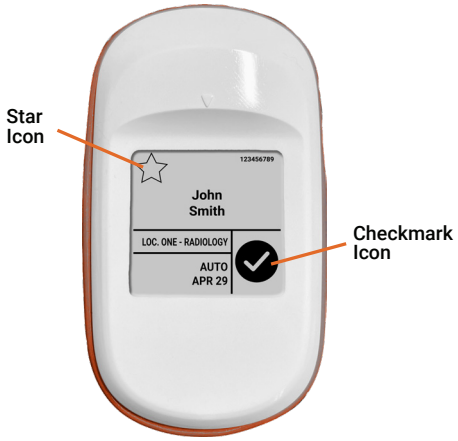
Fetal Icon 

Area Icon 

Compliance Star & Motion Detection

- **Checkmark Icon:** Briefly appears to confirm that the dose communication has been successfully completed.
- **Star Icon***: Indicates compliance status. Appears in the top loft corner when the dosimeter is actively worn for the minimum required hours and exhibit sustained motion. A successful automatic calendar reading within the last 30 days is also necessary to ensure proper functioning and appropriate usage.

  This feature may not be available to all customers outside of the United States as data privacy and sharing laws vary.



Dose Communication Icons

To initiate or read the dosimeter, a communication device is required to transmit the dose data from the dosimeter to the online reporting system. The dosimeter MUST be within range of a communication device, either the InstaLink™3 Gateway or the smart device running the Instadose Companion mobile app.

Communication in Progress:

- Hourglass Icon – Seeking an active communication device and establishing a connection.

- Cloud with an Arrow Icon – Connection established and transmission of the dose data is uploading.

Communication Successful:

- Checkmark Icon – Dose communication was transmitted successfully.

Communication Warnings:

- Cloud Warning Icon –Unsuccessful communication during the last manual dose read.
- Calendar Warning Icon – Unsuccessful communication during the last automatic/scheduled dose read.

Establishing Connection (On-Demand Reads) | *Uploading Dose Data (On-Demand Reads)* | *Successful Communication (On-Demand Reads)* | *Unsuccessful Communication (On-Demand Reads)* | *Unsuccessful Communication (Calendar-set Reads)*

Temperature Error Icons

- High Temperature Icon – Dosimeter has reached a high temperature above 113°F (45°C). It must stabilize to room temperature (between 41°F -113°F (5 - 45 °C) for the icon to disappear from the screen, indicating the dosimeter is able to communicate again.
- Low Temperature Icon – Dosimeter has reached a low temperature below 41°F (5°C). It must stabilize to room temperature for the icon to disappear from the screen, indicating the dosimeter is able to communicate again.
- Fatal Temperature Icon – Dosimeter has crossed a critical threshold where permanent damage from excessive/sustained temperatures (outside of acceptable ranges) has rendered the device inoperable. The dosimeter must be returned to the manufacturer. Contact your RSO or Account Administrator to coordinate returning the dosimeter. Note: A recall notification with instructions for returning the dosimeter and receiving a replacement will be sent to the email address on file.

Service & Support Icons

- Recall Initiated Icon – Dosimeter has been recalled and must be returned to the manufacturer. Contact your Program Administrator or Dosimeter Coordinator for instructions. Recall and replacement instructions will be emailed to account administrators.
- Contact Customer Support Icon – Dosimeter requires service or troubleshooting support from a Customer Service Representative. Contact your Program Administrator or Dosimeter Coordinator for instructions.

Badge Error: Low Temp. | *Badge Error: High Temp.* | *Badge Error: Fatal Temp.* | *Recall Initiated* | *Call Support Team*

Instadose®VUE Communication Devices

A communication device must be used to perform dose readings and transmit dose data to the legal dose-of-record:

1. InstaLink™3 Gateway device is ideal for larger teams, enabling communication with multiple dosimeters simultaneously.
2. Instadose Companion mobile app is ideal for smaller teams, field technicians, and users in remote or mobile locations.

InstaLink™3 Gateway

The InstaLink™3 serves as a secure and proprietary communication gateway designed specifically to enable fast, and reliable connection and transmission of dose data from Instadose wireless dosimeters. With a unique hardware and software design, advanced security technologies, and robust diagnostic and management capabilities, the InstaLink™3 Gateway improves communication reliability and data transmission speeds.

The InstaLink™3 Gateway supports wireless Instadose®+, Instadose®2, and Instadose®VUE dosimeters.

Instadose Companion Mobile App

The Instadose Companion mobile app provides a wireless communication gateway that allows the dosimeter to be read via a smart device. Dose data to can be transmitted anytime/anywhere, as long as there is an established internet connection. The mobile app also allows users to access and view both current and historical dose results.

Download on the App Store

GET IT ON Google Play

InstaLink™3 Gateway User Guide

Instadose Companion Mobile App User Guide

Communicating Dose Reads

To initiate or read the dosimeter, a communication device is required to transmit the dose data from the dosimeter to the online reporting system. The dosimeter must be within range of a communication device – either the InstaLink™3 Gateway (30 feet) or the smart device running the Instadose Companion mobile app (5 feet).

To find out which transmission methods are approved for your account and where they are located, please contact your account administrator.

Automatic Calendar-Set Dose Readings

The Instadose®VUE dosimeter supports automatic calendar-set reading schedules set by your RSO or Account Administrator. On the designated day and time, the dosimeter will attempt to wirelessly transmit dose data to a communication device. If the dosimeter is not within range of a communication device at the scheduled time, the transmission will not occur, and an unsuccessful communication icon will appear on the dosimeter's display screen.

On-Demand Dose Readings *

Press and hold Read Button for no more than 2 seconds.

The hourglass icon indicates device is searching for a connection.

The upload cloud icon indicates dose data transmission.

The checkmark icon indicates successful transmission.

** Automatic readings need no action.*
The dosimeter will read automatically at the scheduled time if it's near a communication device.

***NOTE**: Icons with exclamation point indicate unsuccessful transmission. Retry on-demand read for successful data transmission.*

***NOTE**: To confirm dose transmission, review dose history on your read history screen on the mobile app or online within the Account Management Portal (AMP+).*

Compliance Notice

FCC Compliance Statement
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.
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications 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.

This equipment has been tested and meets applicable limits for radio frequency (RF) exposure. The minimum tested separation distance is 0 mm.

Canadian Compliance Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE: This equipment has been tested and meets the applicable limits for radio frequency (RF) exposure under RSS-102. The minimum tested separation distance is 0 mm.

REMARQUE: Cet équipement a été testé et respecte les limites applicables pour l'exposition aux radiofréquences (RF) sous RSS-102. La distance de séparation minimale testée est de 0 mm.