

Instadose®VUE Dosimeter

Wireless Dosimeter

Photon + Beta + Neutron



The Instadose®VUE provides fast exposure reporting and dosimeter status feedback, making exposure tracking and compliance easier. With the use of Bluetooth® Low Energy (BLE) Technology, it wirelessly transmits radiation dose exposure anywhere, anytime, and as often as needed. Now administrators and wearers can track dose on-demand.



Reduce Costs & Waste

The Instadose®VUE is permanently assigned to an individual and can be reassigned as needed. This provides several advantages:

- Employees keep their assigned dosimeters, eliminating the need for collecting and redistributing dosimeters every wear period.
- Each employee is assigned one dosimeter unless additional monitoring is required.
- Eliminates shipping costs and wasted packaging to return dosimeters.
- Better for the environment because dosimeters are not manufactured, processed, and rebuilt every wear period.

Making Dosimeter Administration and Compliance Easier

Instadose® SmartMonitoring™ technology enables users to transmit exposure data on-demand and through automatic calendar-set readings. This also allows for convenient viewing of dose exposure anytime and anywhere needed, providing greater flexibility and control of monitoring capabilities.

- Scheduled (calendar-set) automatic dose reads and transmissions.
- On-demand dose transmissions (both automatic and on-demand can be used in combination).
- Immediate online visibility of current and historical exposure data.

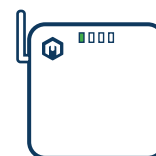
Additional Features & Benefits

- Provides a visual display of dosimeter status and communication feedback instantly.
- Indicates on the dosimeter when communication is overdue.
- Compliance indicator assures wearers and administrators that the dosimeter is functioning properly and being utilized appropriately.
- Utilizes advanced technologies: Direct Ion Storage (DIS) and SmartMonitoring™.
- Exposure trending provides greater insights—expanding the opportunities to identify and mitigate risks.
- Automated email notifications when a dose parameter is exceeded.
- Immediate online dosimeter reassignments and account updates.
- Protected Personal Information (PPI) safe! No PPI is stored on the Instadose®VUE dosimeter.

Instadose®VUE Communication Devices



Instadose
Companion
Mobile App



InstaLink™3
Gateway

To transmit dose data, Instadose®VUE dosimeters must be within range of one of these Communication Devices.




Specifications

Description:

- Detectors: $H_p[\gamma, 10 \text{ mm}] + H_p[\gamma, 0.07 \text{ mm}] + H_p[\eta, 10 \text{ mm}]$
- Direct Ion Storage (DIS) Technology
- Bluetooth® Wireless Technology

Transmission Methods

Bluetooth® Low Energy 5.1 transmission of dose data using InstaLink™3 Gateway. On-demand readings can also be conducted using either a smart phone or a tablet with the *Instadose Companion* mobile app downloaded.

	Instadose®VUE Photon	Instadose®VUE Beta	Instadose®VUE Neutron
			
Badge Type	Type 45 Photon*	Type 46 Photon + Beta	Type 47 Photon + Beta + Neutron
Size & Weight	<p>With clip:</p> <ul style="list-style-type: none"> • 1.43" (36.18 mm) L. x 1.16" (29.5 mm) W. x 2.52" (64.02 mm) H. <p>Without clip:</p> <ul style="list-style-type: none"> • 1.43" (36.18 mm) L. x 0.575" (14.6 mm) W. x 2.52" (64.02 mm) H. <p>Weight: 1.633 oz. (46.3 g.)</p>	<p>With clip:</p> <ul style="list-style-type: none"> • 1.503" (38.2 mm) L. x 1.145" (29.1 mm) W. x 3.066" (77.9 mm) H. <p>Without clip:</p> <ul style="list-style-type: none"> • 1.503" (38.2 mm) L. x 0.846" (21.5 mm) W. x 3.066" (77.9 mm) H. <p>Weight: 1.798 oz. (51.0 g.)</p>	<p>With clip:</p> <ul style="list-style-type: none"> • 1.90" (48 mm) L. x 1.42" (36 mm) W. x 3.58" (91 mm) H. <p>Without clip:</p> <ul style="list-style-type: none"> • 1.90" (48 mm) L. x 1.04" (26.3 mm) W. x 3.58" (91 mm) H. <p>Weight: 3.04 oz. (86 g.)</p>
Minimum Reportable Dose	Hp[γ,10 mm] 5 mrem (0.05mSv)	Hp[γ,10 mm] 7.5 mrem (0.075mSv) Hp[γ, 0.07 mm] 7.5 mrem (0.075mSv)	Hp[γ,10 mm] 7.5 mrem (0.075mSv) Hp[γ, 0.07 mm] 7.5 mrem (0.075mSv) Hp[η, 10 mm]
Useful Dose Range	1 mrem - 500 rem** (0.01 mSv - 5 Sv)	1 mrem - 500 rem** (0.01 mSv - 5 Sv)	1 mrem - 500 rem** (0.01 mSv - 5 Sv)
Energy Response	Photon: 20 keV to 7 MeV	Photon: 20 keV to 7 MeV Beta: Kr, Sr/Y	Photon: 20 keV to 7 MeV Beta: Kr, Sr/Y Neutron: (configurable) Thermal, Cf-252 Bare, Cf-252 Moderate, AmBe
Temperature Range	Environments between 45° to 113°F (12° to 45 °C) Best if used and stored indoors at room temperature.		

*NVLAP Accreditation (lab code: 100555-00)

** Instadose®VUE dosimeters can be read at your facility up to a cumulative dose of 500 mSv (50 rem). For exposures exceeding this limit, or when used outside of occupational monitoring, the dosimeter would need to be sent to Mirion Dosimetry Services for processing and reporting. Additional fees may apply.

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, and (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.

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 :

- L'appareil ne doit pas produire de brouillage;
- L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



www.mirion.com/dosimetry-services