

# Instadose<sup>®</sup>2 Dosimeter

Wireless Dual-Detector  
Dosimeter



## Simplify Administration

Wirelessly capture, transmit, measure, analyze, and report radiation dose exposure ON-DEMAND. Know your results NOW. And spend less time receiving and returning badges and more time on your core responsibilities.



## Reduce Costs & Carbon Footprint

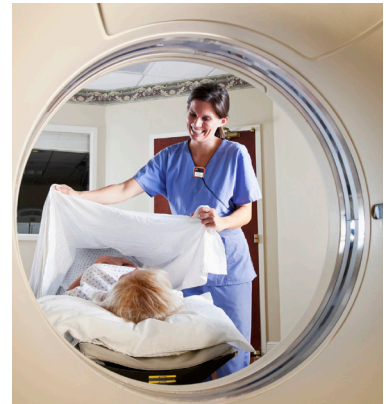
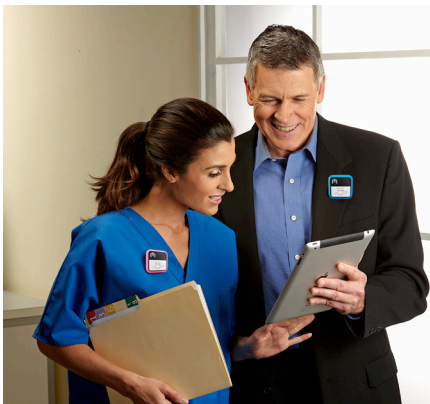
Eliminate the badge return process to save resources and shipping costs, while also reducing greenhouse gas emissions.

## Dual Detectors for Photon & Beta

Instadose2 dosimeter has dual detectors for independent Hp(10) and Hp(0.07) measurements for photon and beta radiation sources.

## Additional Features & Benefits

- On-demand dose results and unlimited dose reads
- Measurements based upon two proprietary technologies —Direct Ion Storage (DIS) and SmartMonitoring™ — that enable high sensitivity and accuracy
- Automatic, calendar-set reading intervals for dose trending
- Automated email notifications when a dose exceeds a user specified level or when communication is overdue
- Immediate online badge reassignments and account management
- Immediate visibility of dose data (current and historical exposures) on your smart device or PC (requires proximity to an enabled transmission source)
- Improves compliance and reduces program monitoring costs
- Protected Personal Information (PPI) safe as no personal information is contained on or transmitted by the dosimeter



## Specifications

### Description:

- Dual Detectors [Deep: Hp(10) and Shallow: Hp(0.07)]
- Direct Ion Storage (DIS) Technology
- Bluetooth® Wireless Technology

### Size & Weight:

- 2 x 2 in. (5.08 x 5.08 cm)
- Weight: 0.8 oz (0.02 kg)

### Badge Type

- 38

### Accreditations

- US: NVLAP (lab code 100555-0)
- Various other countries

### Minimum Reportable Dose (MRD) & Useful Dose Range

- 10 mrem - 500 rem\* (0.1 mSv - 5 Sv)

### Energy Response

- Photon 5 keV - 6 MeV
- Beta  $\geq 0.8$  MeV

### Temperature Range

- Best if used and stored in indoor, room temperature environments between 50-86 °F (10-30 °C)



## Transmission Methods

Wireless transmission of dose data from Instadose+ and Instadose2 dosimeters is enabled using a smart phone or tablet (with the Instadose App downloaded) or the InstaLink™ hotspot.



Instadose  
Mobile App



InstaLink  
Hotspot

\* Instadose dosimeters can be read at your facility up to a cumulative dose of 100 mSv (10 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;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.