

# Instadose<sup>®</sup> Dosimeter

Plug-In & Read  
USB Dosimeter



## Only Accredited USB Dosimeter

The only accredited USB-compatible dosimeter that allows wearers to measure their radiation dose anytime using an internet-enabled PC. This breakthrough technology provides precise measurement of radiation dose and accurate, long-term exposure tracking.

## Plug-In & Read

Access dose results at your fingertips with no mailing, no waiting, no time wasted.



## Sustainability

By keeping your badge and skipping the shipping and manual processing steps, you're helping to reduce the world's carbon footprint.

## Additional Features & Benefits

- Immediate online access to current and historical exposure dose data and reports
- Unlimited dose reads
- Increased compliance from user engagement, buy-in and empowerment
- Reduced costs and administration work from eliminating the need to collect and mail back old badges and receive and redistribute new ones
- Versatile reassignment capabilities
- Each dosimeter has a unique serial number for identification.

## Perform Dose Reads Anytime in Just Three Steps

1. Log-in to [www.instadose.com](http://www.instadose.com)
2. Connect the Instadose dosimeter to the USB port
3. Click "Read Device" on the main screen

The stored accumulated dose is processed through a proprietary algorithm. This fully automated transfer of data minimizes the chance of human error and misidentification. Once complete, the current dose is displayed on the screen. All dose reads are reviewed and, if necessary, further analyzed by Mirion's technical staff.

The Instadose dosimeter can be read up to a cumulative dose of 12 rem. If an exposure exceeds this limit, the dosimeter will need to be sent in for processing and reporting.

## Initial Setup

Readings via a computer are enabled by a USB-compatible detector. Before use, each dosimeter must be registered and initialized online at: [www.instadose.com](http://www.instadose.com).

During the registration process, an application must be installed on each computer that will be used to perform dose readings. This application only transfers dose data to Mirion's secure servers when reads are performed. No personal information is contained on or transmitted by the dosimeter.

## Specifications

**Description:** Direct Ion Storage (DIS) Technology

### Size & Weight

- 2.5 x 0.75 in. (6.35 x 1.91 cm)
- Weight: 0.8 oz (0.02 kg)

**Badge Type:** 31 = Instadose 1

**Accreditations/Approvals/Licenses:** In the United States under NVLAP (lab code: 100555-0) in the UK under HSE (DS 49/2010) and various other country accreditations/approvals

### Minimum Reportable Dose:

- 3 mrem (0.03 mSv)
- 1 mrem (0.01 mSv) upon request

**Lower Limit of Detection:** 1 mrem (0.01 mSv)

**Useful Dose Range:** 1 mrem - 500 rem\* (0.01 mSv - 5 Sv)

**Energy Response:** Photon 5 keV - 6 MeV

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



\* 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.



[www.mirion.com/dosimetry-services](http://www.mirion.com/dosimetry-services)