MIRION TECHNOLOGIES

DOSIMETRY

# Instadose®+

*Dosimeter*


Single detector for photon measurements.

## FEATURES

- On-demand dose results
- Unlimited dose reads
- Eliminates the time-consuming badge collection, return and redistribution process
- Automatic, calendar-set reading intervals for dose trending
- Tracks dose for high-risk employees – enabling improved dose controls
- 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) on your smart device (phone or tablet) or PC
  (Upon successful communication – requires proximity to an enabled transmission source.)
- Improves compliance and reduces program monitoring costs
- PPI (Protected Personal Information) safe as no personal information is contained on or transmitted by the dosimeter

## PERSONAL RADIATION MONITORING FOR OCCUPATIONALLY EXPOSED STAFF

Instadose dosimetry is a smarter radiation monitoring platform that is simplifying administration, reducing costs and transforming how staff are monitored and safeguarded from radiation over-exposure.

## ADVANCED SMART MONITORING & BLUETOOTH TECHNOLOGIES

Capture, measure, transmit, analyze, and report radiation dose exposure anytime, as often as needed.

INSTANT – access to on-demand dose reads and measurement data. Featuring Bluetooth® Technology to quickly, easily, remotely transmit radiation dose data via smart devices, PCs, and hotspot stations.

PRECISE – measurements based upon two proprietary technologies (Direct Ion Storage (DIS) and SmartMonitoring™) that enable high sensitivity and accuracy with robust monitoring, tracking, and trending capabilities.

SMARTER – reporting and tracking allows users to pinpoint high dose exposures and anomalies faster with anytime, anywhere access to both current and historical dose measurements and reports online.

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# Instadose+ | DOSIMETER

## SPECIFICATIONS

**Description**

- Single Detector [Deep: Hp(10]
- Direct Ion Storage (DIS) Technology
- Bluetooth® Wireless Technology

**Size & Weight**

- Top: 1 x 1 in. (2.54 x 2.54 cm); Bottom: 2 x 2 in. (5.08 x 5.08 cm)
- Wt: 0.8 oz (0.02 kg)

**Badge Type**

- 37 = Instadose+ badge

**Accreditations**

- In the United States under NVLAP (lab code: 100555-0)
- In the U.K. under HSE
- Various other countries

**Minimum Reportable Dose**

- 5 mrem (0.05 mSv) (3 mrem available upon request)

**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 temperate 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 Technologies Dosimetry Services Division (DSD) for processing and reporting. Additional fees may apply.

**Mirion Technologies Dosimetry Services Division** (DSD) is the first name in dosimetry service innovation. We don't just deliver cutting edge products and services, we invent them. With over 45 years of dosimetry experience, we provide the most technologically advanced dosimeters on the market and a first-rate commitment to customer satisfaction. Our line of revolutionary Instadose dosimeters are transforming the way facilities manage their radiation monitoring programs. Now immediate dose reads can be captured by internet enabled computers or smart phones and tablets. With Instadose dosimeters, you can increase dosimetry compliance and lower dose for high risk employees with ease.

## TRANSMISSION METHODS

Wireless transmission of dose data from Instadose+ and Instadose 2 dosimeters is enabled using a smart phone or tablet (with the Instadose App downloaded) or the Instadose line of communication products: InstaLink™-USB or InstaLink hotspot station.

Instadose Mobile App | InstaLink USB | InstaLink Hotspot

### BLUETOOTH NOTICES

FCC – 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. Note: This device 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 device 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 and correct the interference by one or more of the following measures:

- Re-orient 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.

We caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC – This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

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

Cet appareil numérique de Classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada. Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

- Cet appareil ne doit pas causer d'interférences.
- Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

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OPS-710 – 04/2019