



DOSIMETRY

Instadose[®]

Dosimeter

Instant. Precise. Portable.



FEATURES

- Small and rugged
- Unlimited dose reads
- Plug-in and read capability – no need to send dosimeters to a processing center
- Immediate online access to current and historical exposure dose data and reports
- Increased compliance
- Online badge reassignments



QUICK & EASY PLUG-IN AND READ FUNCTIONALITY

As small as a flash drive, this rugged dosimeter provides immediate dose readings by using any internet-enabled computer.

The only accredited USB-compatible dosimeter that enables wearers to measure their radiation dose at anytime, as often as they wish from an internet-enabled computer.

Wearers keep their dosimeters and program managers simplify administration and reduce costs.

PERFORM DOSE READS AT ANYTIME

How the badge works

This breakthrough technology provides radiation workers with a precise measurement of radiation dose and includes accurate long-term exposure tracking. Each dosimeter has a unique serial number for identification.

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.

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.

Perform a reading

To obtain a dose reading log-in to www.instadose.com, connect the Instadose dosimeter to the USB port and 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.



SPECIFICATIONS

Description

- Direct Ion Storage (DIS) Technology

Size & Weight

- 2.5 x 0.75 in. (6.35 x 1.91 cm)
- Wt: 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 Technologies Dosimetry Services Division (DSD) for processing and reporting. Additional fees may apply.

NOTICE

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.

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www.mirion.com