



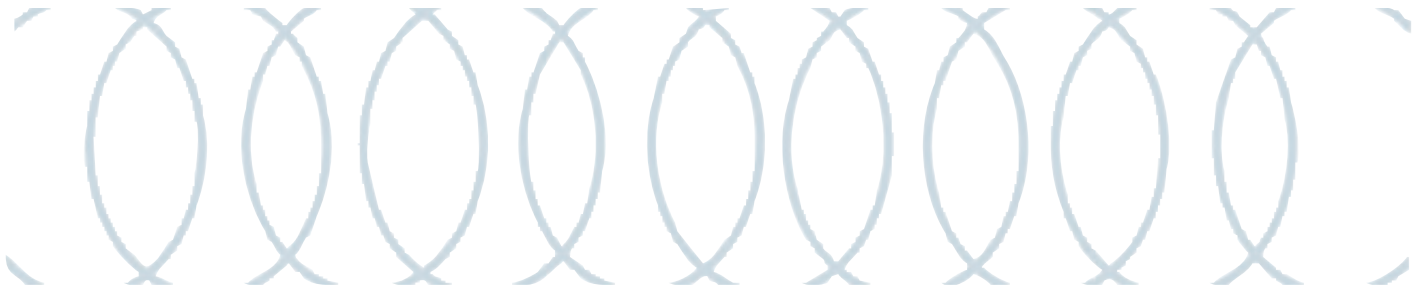
**MIRION**  
TECHNOLOGIES

Dosimetry Services  
Division

*Revolutionizing your radiation  
monitoring program with dose readings  
performed online.*

Featuring  
instadose™





## *Instadose* Dosimeter- Instant. Precise. Portable.

The *instadose* dosimeter brings radiation monitoring into the digital age. Smaller than a flash drive, this rugged dosimeter provides immediate dose readings by using any internet enabled computer.

This easy-to-use device is the only accredited USB-compatible dosimeter that enables you to measure your radiation dose at anytime you wish, as often as you wish. Based upon patented direct ion storage technology, the *instadose* dosimeter includes access to each user's historical and current exposure readings. There is no need to send dosimeters to a processing center, simplifying administration and reducing costs.

Benefits for your facility include:

- Pulse radiation response
- Unlimited reads
- Online badge reassignment
- Accredited in the United States, in the UK, and other countries
- NO badge collection
- NO battery replacements
- NO annual calibration



To open your device, hold the clip and turn 180 degrees to either side to extend the USB connector.

## HOW THE DEVICE WORKS

This breakthrough technology provides radiation workers with a precise measurement of radiation dose and includes accurate long-term exposure tracking. A built-in memory chip stores each user's identity via an embedded unique serial code that is assigned to the user.

*Instadose* dosimeters provide users with the flexibility to view radiation dose at any time from any computer with internet access. Readings via a PC are enabled by a USB compatible detector. Before use, each device must be registered online at [www.instadose.com](http://www.instadose.com). During the registration process, the driver and client are installed on the user's computer and the device is initialized for use.

When a user wishes to obtain a reading he or she simply logs-in to his or her account at [www.instadose.com](http://www.instadose.com). The accumulated dose stored on the device processes



through a proprietary algorithm. This fully automated transfer of data minimizes the chance of human error and misidentification. Once complete, a graphical representation of the current dose displays on the screen. The user can then [click] "View Cumulative Dose" to receive cumulative dosage information.

Within your facility the *instadose* dosimeter can be read up to a cumulative dose of 12 rem, for exposures exceeding this limit the device would need to be sent in for processing and reporting.

A variety of reports are available to view and download.

To generate a report, a user must first select the start and end periods. To further customize the report a user can select a specific person, group or location. Once the selection process is complete and "Run this report" is [clicked] a new window will open with the results of the report shown. Users can print or download reports into excel, PDF, Power Point, RTF , or Fully Editable RTF files.

The site is available in several languages including English, French, Japanese, and Spanish.

## SECURE ONLINE ACCOUNT MANAGEMENT WITH AMP

AMP (Account Management Program) is a revolutionary solution to providing secure online account management. It's fast, simple, and free!

With AMP, account administrators can manage all the elements of a radiation monitoring program online anytime, from anywhere. From account administration to managing individual wearers and devices, AMP provides real time access to account details, device assignments, reports, and all pertinent account information.

Account management features available with AMP include:

- Device Registration
- Manage Accounts
- Manage Devices
- Manage Locations
- Manage Users
- Order and Payment History
- Audit Logs

Access to some of these areas is limited based on role assignment, this is very important to keep in mind when creating or editing users within your account.

The roles you can choose to assign and function availability include:

**Administrator:** Full access to all functions on the site. From placing orders, performing readings for devices, running reports, creating/deactivating locations and users, to registering and initializing devices.

**Location Admin:** Access to functions on the site are limited to the assigned location. A Location Admin may not create new locations. They can place orders, perform readings and run reports for devices within that location, edit or add users within the location, and register and initialize devices for that location.

**Group Admin:** Access to functions on the site are limited to the assigned group within a location. A Group Admin may not create new locations or edit the location they are assigned to. They can place orders, perform readings and run reports for devices within that group, edit or add users and register and initialize devices for the group under the location.

**Wearer:** Limited access to functions on the site. A Wearer can perform readings on devices assigned to them. Reports will only contain their data. Wearers can also update their e-mail, phone and password.





## TECHNICAL SPECIFICATIONS

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
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

\* the instadose device can be read at your facility up to a cumulative dose of 12 rem (120 mSv), for exposures exceeding this limit or used outside of occupational monitoring the device would need to be sent in for processing /reporting, and additional fees may apply.

## REPORTING OPTIONS

A variety of reports are available for download through AMP (Account Management Program).

The reports include:

- Radiation Exposure Summary Report
- History Detail Report
- Employee Reading Status Report
- Form 5

## RADIATION EXPOSURE SUMMARY REPORT

Radiation Exposure Summary Report												instadose™	
Account Number: 341													
Location:													
Report Date/Time: 6/24/2009 1:33:22 PM													
User Id	Name	Serial Number	Body Region	Number of Reads	Monitoring Period		Dose Reported in Units of mrem				Lifetime To Date		
					First Read Date	Last Read Date	QTD		YTD				
							Deep (WB)	Shallow (SKIN)	Deep (WB)	Shallow (SKIN)	Deep (WB)	Shallow (SKIN)	Inception Date
675	Croxson, Kimberly	5778	Torso	23	04/06/2009	05/22/2009	110	110	110	110	110	110	04/06/2009
675	Croxson, Kimberly	5778	Torso	28	03/31/2009	05/19/2009	0	0	0	0	0	0	03/31/2009
675	Smith, Mike	5793	Torso	1	05/27/2009	05/27/2009	0	0	0	0	0	0	05/27/2009

\*Approved by the National Institute of Standards and Technology through NVLAP for the specific scope of accreditation under lab code 100555

**SEE LAST PAGE FOR COMPLETE REPORT DETAILS BY COLUMN NUMBER IT IS RECOMMENDED THAT YOU KEEP THIS REPORT FOR YOUR RECORDS**

## HISTORY DETAIL REPORT

HISTORY DETAIL REPORT										instadose™	
Account Number: 343											
Report Date/Time: 6/24/2009 1:32:23 PM											
Location	Name	User Id	Serial Number	Body Region	Read Date/Time	Dose Reported in Units of mrem					
						Deep (Whole Body)	Shallow (SKIN)				
Main	Croxson, Kimberly	679	5778	Torso	5/26/2009 1:44:26 PM	0	0				
<b>Number of Reads: 1</b>						<b>Total: 0 0</b>					
Main	Croxson, Kimberly	679	5778	Torso	5/22/2009 10:25:50 AM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/10/2009 4:17:04 PM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/9/2009 1:49:35 PM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/8/2009 3:34:57 PM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/8/2009 10:18:46 AM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/5/2009 4:57:34 PM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/1/2009 9:44:00 AM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/26/2009 2:47:16 PM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/26/2009 10:58:46 AM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/26/2009 1:45:57 PM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/27/2009 10:20:31 AM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/18/2009 12:48:28 PM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/5/2009 9:59:49 AM	0	0				
Main	Croxson, Kimberly	679	5778	Torso	5/5/2009 9:09:17 AM	110	110				
<b>Number of Reads: 14</b>						<b>Total: 110 110</b>					
Main	Doi, Jana	675	5778	Fetal	5/27/2009 10:25:00 AM	0	0				
<b>Number of Reads: 1</b>						<b>Total: 0 0</b>					
Main	Smith, Mike	675	5793	Torso	5/19/2009 1:30:40 PM	0	0				

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