

Complete Line of Dosimetry Solutions

Electronic Personal Dosimeter (EPD)—NRF4 Series

EPD-NRF4 series offers excellent detection of gamma only, gamma and beta, nuclear

- γ (X) ray: 50keV-6MeV; B ray: 300keV-2.3MeV
- Audio and visual alarms for both accumulated dose and dose rate
- Exchange data and set points with PC via infrared or RF
- Light weight: 150g (5oz)
- Rugged, shock resistant, waterproof
- Long-life replaceable battery
- Selectable Sievert or REM units of measure
- Large, back-lit, real time LCD display



Optically stimulated luminescence (OSL)

OSL technology is a dramatic breakthrough in radiation detection. The key to the success of OSL technology is the detector material, aluminum oxide crystals ($Al_2O_3:C$). With OSL, the amount of radiation exposure is measured by stimulating the $Al_2O_3:C$ material with green light from either a laser or light emitting diode source. The amount of light released during optional stimulation is directly proportional to the radiation dose and the intensity of stimulation light.



microStar® Reader

- Portable
- Dosimeter: InLight case and slider; NanoDot™
- Capacity: 1 dosimeter
- Bar code input: keyboard; external bar code reader; file upload



Automatic 500 Unit Reader

- Dosimeter inLight case and slide
- Processing: 280/hour throughput
- Capacity: 10 cassettes @ 50 dosimeters/cassette
- Bar code input: internal optical reader



Automatic 200 Unit Reader

- Dosimeter inLight case and slide
- Processing: 280/hour throughput
- Capacity: 4 cassettes @ 50 dosimeters/cassette
- Bar code input: internal optical reader



TLD Dosimeter Badge

- Complete reanalysis capabilities
- Nondestructive read out allows for dose verification
- Dosimeter archiving made possible
- Track exposure over time—take incremental dose assessments

DOSICARD

The electronic personal dosimeter in credit card format, DOSICARD, is the key element in a unique modular dosimetry system that can be adapted to your individual needs. The DOSICARD can be used as a stand-alone personal dosimeter, in small nuclear and medical laboratories as well as by large service companies in the nuclear sector, in nuclear research centers, accelerators and nuclear power plants.

- Stand-alone electronic dosimeter with LCD display, large non-volatile memory and programmable alarm levels on doses and dose rate
- Ultra thin/compact - light weight - shockproof - low cost
- Measures the X/gamma dose equivalent Hp(10) according to ICRU 39

The DOSICARDS can be linked via a badge reader to a PC. The DoseManager software is required to program the cards for data retrieval and for database (ACCESS) operations

DoseManager II Software

- Comprehensive personal dose record management and setup program for DOSICARD™ Electronic Dosimeters
- Network capabilities
- Easy and rapid page by page dosimeter assignment
- Secured dose history access
- Easy upgrade for Dosemanager I Data export to Microsoft® Excel



Personal Dosimeter

The Model 25-1 is a small-sized device designed to warn users any time they are in a potentially harmful radiation environment and keeps track of accumulated dose readings. It can be worn on a belt, a lanyard, or armband, and is very simple to use and operate.

- .001 mSv/hr to 10 Sv/hr Dose Rate Range; 0-1999 Sv Accumulated Dose Range
- Backlit LCD display
- Loud Alarms
- Lightweight, Rugged & Water Resistant
- Easy to Use
- 4000 Hour Battery Life



Pencil Dosimeter

This direct reading dosimeter is a rugged instrument, which measures accumulated quantities of gamma and X-ray radiation. Applications include personal and environmental monitoring. The low-energy feature has hospital applications including fluoroscopy, portable radiography, and angiography. This pocket sized instrument is lightweight and has a sturdy clip to attach to an individual's pocket.



- Sensitive to Gamma and X-ray
- Depending on the models, dosimeter measures: 0-2 mSv, 0-200 mR, 0-5 R
- Lightweight
- Hermetically Sealed
- Sturdy Pocket Clip
- Meets ANSI N13.5 & N322
- Responds Well to Fast Pulse X-Rays
- Low Leakage, Measures Background