

# SE INTERNATIONAL



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# SE International



S.E. International, Inc. is een vertrouwde Amerikaanse fabrikant van stralingsdetectie-instrumenten onder het merk Radiation Alert®. Hun productassortiment omvat gebiedsmonitoren, draagbare meetinstrumenten en persoonlijke elektronische dosimeters – elk ontworpen voor nauwkeurige, realtime stralingsmonitoring in een breed scala aan toepassingen.



Radiation Alert®-gebiedsmonitoren bieden continue bewaking in kritieke zones en waarschuwen direct voor mogelijke stralingsgevaren. Draagbare meetinstrumenten, zoals de Ranger en Monitor 200, stellen veldpersoneel in staat om snel en nauwkeurig stralingsniveaus te beoordelen. Persoonlijke elektronische dosimeters zorgen ervoor dat individuele blootstelling nauwkeurig wordt bewaakt en beschermen werknemers in omgevingen waar straling een probleem vormt.

Van nucleaire installaties en zorginstellingen tot noodhulp en milieumonitoring, de Radiation Alert®-instrumenten van S.E. International ondersteunen professionals bij het handhaven van veiligheid en naleving van regelgeving. Verbeter uw stralingsveiligheidsprotocollen met betrouwbare, gebruiksvriendelijke oplossingen van S.E. International!

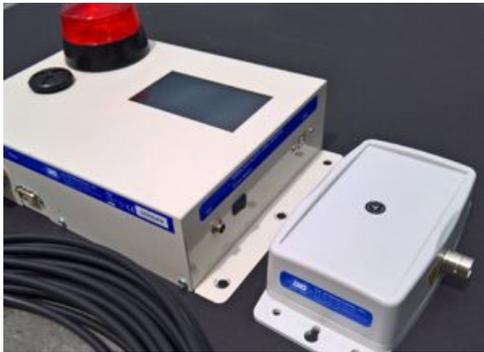
# GEBIEDSMONITOREN





## AM-2x2 Stralingsveldmonitor

De Radiation Alert® AM-2X2 is een geavanceerde omgevingsmonitor die is ontworpen voor gebruiksgemak en betrouwbare prestaties. Met zijn slimme touchinterface, LED-display en externe scintillatiedetector is hij ideaal voor ruimte-, portaal- en bronbewaking in medische, onderzoeks- en industriële omgevingen. Met ingebouwde waarschuwingen, software voor bewaking op afstand en robuuste behuizingsopties is de AM-2X2 uw alles-in-één oplossing voor stralingsveiligheid.



### Overzicht:

De Radiation Alert® Area Monitor is een van de meest gebruiksvriendelijke, allesomvattende, ultramoderne stralingscontrolesystemen op de markt. De gebruiksvriendelijke interface is een intelligent resistief aanraakscherm met een grote LED-uitlezing van vijf cijfers.

### Kenmerken:

De AM-2X2 wordt geleverd met een externe natriumjodide scintillatiedetector. Cesiumjodidesondes zijn verkrijgbaar. Robuuste behuizingsopties voor wandmontage zijn beschikbaar voor drukbezochte ruimtes. Bewaak elke Radiation Alert® Area Monitor in uw netwerk met de gratis software. Inclusief door de gebruiker selecteerbare waarschuwingsindicatoren voor lage en hoge stralingsalarmniveaus en detectorstoringen. Stel e-mail- en sms-waarschuwingen in om onderweg alarmen te ontvangen. Alle instellingen worden intern opgeslagen, zelfs als de stroom is uitgeschakeld. Alle apparaten worden geleverd met een conformiteitscertificaat. NIST-bronkalibraties beschikbaar op aanvraag.

### Toepassingen:

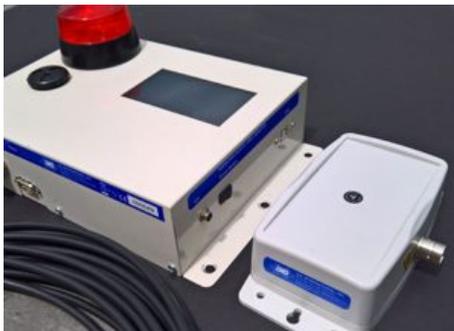
Ruimtebewaking voor ziekenhuizen, röntgenmachines, versnellers, laboratoria, enz. Portaalbewaking, zoals deuren en looppaden, Bronbewaking, Alarmen bij aanwezigheid van straling of afwezigheid van bronnen



Stralingsdetectie > Gebiedsmonitoren

## AM-71313 Stralingsveldmonitor

Een geavanceerde, gebruiksvriendelijke monitor met een slim aanraakscherm en grote LED-aflezing. Kies tussen interne of externe detectoren en bewaak je hele netwerk met de gratis meegeleverde software. Stel aangepaste alarmen in, ontvang mobiele waarschuwingen en vertrouw op de veilige interne opslag van instellingen. Ideaal voor ziekenhuizen, laboratoria, versnellers en gecontroleerde toegangspunten. Inclusief conformiteitscertificaat; NIST-kalibratie beschikbaar op aanvraag.



### Overzicht:

De Radiation Alert® Area Monitor is een van de meest gebruiksvriendelijke, allesomvattende, ultramoderne stralingscontrolesystemen op de markt. De gebruiksvriendelijke interface is een intelligent resistief aanraakscherm met een grote LED-uitlezing van vijf cijfers.

### Kenmerken:

Wordt geleverd met een interne of externe detector en gratis software voor het monitoren van elke Radiation Alert® Area Monitor in uw netwerk. Inclusief door de gebruiker selecteerbare waarschuwingsindicatoren voor lage en hoge stralingsalarmniveaus en detectorstoringen. Stel e-mail- en sms-waarschuwingen in om onderweg alarmen te ontvangen. Alle instellingen worden intern opgeslagen, zelfs als de stroom is uitgeschakeld. Alle apparaten worden geleverd met een conformiteitscertificaat. NIST-bronkalibraties beschikbaar op aanvraag.

Interne of externe sonde-opties beschikbaar.

### Toepassingen:

Ruimtebewaking voor ziekenhuizen, röntgenmachines, versnellers, laboratoria, enz. Portaalbewaking, zoals deuren en looppaden

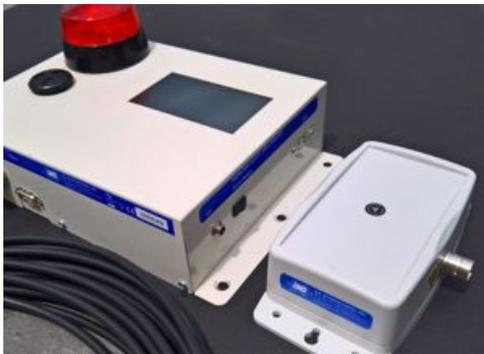
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## AM-7128 Stralingsveldmonitor

De Radiation Alert® Area Monitor is een van de meest gebruiksvriendelijke, allesomvattende, ultramoderne stralingsruimtemonitors op de markt. De gebruiksvriendelijke interface is een intelligent resistief aanraakscherm met een grote LED-uitleiding van vijf cijfers.



### Kenmerken:

Het product wordt geleverd met een interne of externe detector en gratis software voor het monitoren van elke Radiation Alert® Area Monitor in uw netwerk. Inclusief door de gebruiker selecteerbare waarschuwingsindicatoren voor lage en hoge stralingsalarmniveaus en detectorstoringen. Stel e-mail- en sms-waarschuwingen in om onderweg alarmen te ontvangen. Alle instellingen worden intern opgeslagen, zelfs als de stroom is uitgeschakeld. Alle apparaten worden geleverd met een conformiteitscertificaat. NIST-bronkalibraties beschikbaar op aanvraag.

Interne of externe sonde-opties beschikbaar

### Toepassingen en gebruik:

Ruimtebewaking voor ziekenhuizen, röntgenmachines, versnellers, laboratoria, enz. Portaalbewaking, zoals deuren en looppaden



## AM-1X1 Stralingsveldmonitor

De Radiation Alert® Area Monitor is een van de meest gebruiksvriendelijke, allesomvattende, ultramoderne stralingsruimte-monitors op de markt. De gebruiksvriendelijke interface is een intelligent resistief aanraakscherm met een grote LED-uitleiding van vijf cijfers.



### Kenmerken:

De AM1X1 wordt geleverd met een interne of externe natriumjodide scintillatiedetector. Cesium-jodidesondes beschikbaar. Robuuste behuizingsopties voor wandmontage zijn beschikbaar voor drukbezochte ruimten. Bewaak elke Radiation Alert® Area Monitor in uw netwerk met de gratis software. Inclusief door de gebruiker selecteerbare waarschuwingsindicatoren voor lage en hoge stralingsalarmniveaus en detectorstoringen. Stel e-mail- en sms-waarschuwingen in om onderweg alarmen te ontvangen. Alle instellingen worden intern opgeslagen, zelfs als de stroom is uitgeschakeld. Alle apparaten worden geleverd met een conformiteitscertificaat. NIST-bronkalibraties beschikbaar op aanvraag.

Interne of externe sonde-opties beschikbaar.

### Toepassingen:

Ruimtebewaking voor ziekenhuizen, röntgenmachines, versnellers, laboratoria, enz. Portaalbewaking, zoals deuren en looppaden, bronbewaking, alarmen bij aanwezigheid van straling of afwezigheid van bronnen

# HANDMONITOREN



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**Stralingsdetectie > Handmonitoren**

## **Radiation Alert Monitor 200**

The Monitor 200, your go-to solution for precise and versatile radiation detection. This state-of-the-art device measures alpha, beta, gamma, and x-rays providing accurate readings displayed in your preferred unit of measurement. Choose from CPM, CPS,  $\mu\text{Sv/hr}$ , mR/hr, or in accumulated counts.

Featuring a digital backlit display, the Monitor 200 ensures easy readability in any environment. The addition of a red count light and an audible beeper accompanying each count detected enhances your awareness during radiation monitoring. With an adjustable timer and customizable loud alert, this radiation detector is tailored to meet your specific needs, offering both accuracy and user-friendly functionality.

The Monitor 200 doesn't just stop at on-the-spot readings- it's equipped with internal memory and Included with your purchase is the Free Observer USB Software (compatible with Windows only), enabling you to effortlessly download and manage your data while setting up computer alarms for added convenience.

For an enhanced experience, the optional Bluetooth module opens up a world of possibilities. The Radiation Alert® Monitor 200 seamlessly integrates with the free Radiation Alert® Observer BLE app available for download from the Google App Store. This app empowers you to display real-time readings with descriptions, conduct timed counts, append GPS data, and send your saved survey files. What's more, any alarms set on the instrument will be mirrored on your android device, ensuring you stay informed and in control.



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## Stralingsdetectie > Handmonitoren

# Radiation Alert MC1K

The MC1K is an ergonomic handheld survey meter using a built-in energy compensated GM detector. It detects gamma and x-rays up to 1000 mR/hr over 4 selectable ranges. The energy compensated Geiger counter affords the detector a more linear response to gammas and x-rays over the full range. A beep sounds and a count light flashes with each event detected.

Applications & Uses: Expanded Range up to 1000 mR/hr, Linear Response needs with Energy Compensation, Checking accelerator & x-ray shielding for leakage, Checking industrial gauges; such as moisture, density, or level gauges containing Cesium-137, Locating lost sources, Personal protection, General surveying



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[Stralingsdetectie](#) > [Handmonitoren](#)

## Radiation Alert Frisker

Tired of dealing with cumbersome cables? Need a free hand? Frustrated with carrying around bulky meters? Introducing The Radiation Alert® Frisker. This compact device detects alpha, beta, gamma, and X-ray radiation. It features multiple units of measure, customizable alarm levels, and a backlit display for easy reading.



The Frisker is a lightweight, single-handed radiation contamination instrument designed to meet the needs of today's radiation professionals. Perfect for leak testing, surface monitoring, sample screening, and personnel screening, it integrates the latest electronics with a reliable Geiger-Mueller detector. S.E. International has crafted a durable, ergonomic Geiger counter that excels in various radiological applications.

**Applications & Uses:** Screening personnel and objects, such as packages, surfaces, and clothing, Surveying for NORM (Naturally Occurring Radioactive Material) contamination, Gross wipe counting, Contamination surveys of packages, equipment, people, etc., Regulatory inspections, Low energy radionuclide detection.



## Radiation Alert Ranger

Introducing the Radiation Alert Ranger®, the pinnacle of nuclear radiation detection technology that seamlessly combines performance with unparalleled portability. Whether you're surveying facility or venturing into the field, the Radiation Alert Ranger® stands as a reliable companion, designed with industrial environments in mind while retaining all the features cherished in laboratory settings.



Compact and lightweight, the Radiation Alert Ranger® is a handheld digital survey meter that sets the bar for sensitivity across alpha, beta, gamma, and x-rays ensuring comprehensive coverage for your radiation detection needs. Equipped with built-in efficiencies for common isotopes, this model goes the extra mile by calculating activity in Becquerels (Bq) and Disintegrations Per Minute (DPM).

The Radiation Alert Ranger® boasts a user-friendly interface featuring a backlit digital display, a red count light, and a distinctive beeper that signals each count detected, enhancing your ability to respond promptly to radiation levels. Selectable alert levels, an adjustable timer, and an optional wipe test plate for swipes provide further flexibility, allowing you to tailor the device to your specific requirements.

- Free Observer USB Software
- Free Observer BLE Software
- For Use With The Optional Bluetooth Module

But the Radiation Alert Ranger® doesn't stop there. Included with your purchase is the Free Observer USB Software (compatible with Windows only), enabling you to effortlessly download and manage your data while setting up computer alarms for added convenience.

For an enhanced experience, the optional Bluetooth module opens up a world of possibilities. The Radiation Alert Ranger® seamlessly integrates with the free Radiation Alert® Observer BLE app available for download from the Google App Store. This app empowers you to display real-time readings with descriptions, conduct timed counts, append GPS data, and send your saved survey files. What's more, any alarms set on the instrument will be mirrored on your android device, ensuring you stay informed and in control.

Elevate your radiation detection capabilities with the Radiation Alert Ranger® - where cutting-edge technology

meets user-friendly design, providing peace of mind whether in the lab, facility, or in the field.

Applications & Uses: Surveying for NORM (Naturally Occurring Radioactive Material) contamination, Gross wipe counting, Contamination surveys of packages, equipment, people, etc., Regulatory inspections, Scrap Metal Screening, Low energy radionuclide detection

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Stralingsdetectie > Handmonitoren

## Radiation Alert Monitor 4EC

The Monitor 4EC is an energy compensated, ergonomic radiation survey meter capable of detecting alpha, beta, gamma, and x-rays over 3 selectable ranges. A red count light flashes and a beep sounds with each event detected. The Monitor 4EC offers a linear response for gamma and x-rays (above 40 keV).

Applications & Uses: Checking accelerator & x-ray shielding for leakage, Checking industrial gauges, such as moisture, density, or level gauges containing Cesium-137, Locating sources, Personal protection, General surveying





## Radiation Alert® Ranger EXP

The Radiation Alert Ranger® EXP, seamlessly combines performance with unparalleled portability. Whether you're surveying facility or venturing into the field, the Radiation Alert Ranger® EXP stands as a reliable companion, designed with industrial environments in mind while retaining all the features cherished in laboratory settings.

Compact and lightweight, the Radiation Alert Ranger® EXP is a handheld digital survey meter that sets the bar for sensitivity to NORM and low levels of alpha, beta, gamma, and x-rays ensuring comprehensive coverage for your radiation detection needs. Equipped with built-in efficiencies for common isotopes, this model goes the extra mile by calculating activity in Becquerels (Bq) and Disintegrations Per Minute (DPM).

The Radiation Alert Ranger® EXP has a user-friendly interface featuring a backlit digital display, a red count light, and a beeper that signals each count detected, enhancing your ability to respond promptly to radiation levels. Selectable alert levels, an adjustable timer further flexibility. allowing you to tailor the device to you specific requirements.

- Free Observer USB Software
- Free Observer BLE Software
- For Use With The Optional Bluetooth Module

But the Radiation Alert Ranger® EXP doesn't stop there. Included with your purchase is the Free Observer USB Software(compatible with Windows only), enabling you to effortlessly download and manage your data while setting up computer alarms for added convenience.

For an enhanced experience, the optional Bluetooth module opens up a world of possibilities. The Radiation Alert Ranger® EXP seamlessly integrates with the free Radiation Alert® Observer BLE app available for download from the Google App Store. This app empowers you to display real-time readings with descriptions, conduct timed counts, append GPS data, and send your saved survey files. What's more, any alarms set on the instrument will be mirrored on you android device, ensuring you stay informed and in control.

Applications & Uses: Surveying for NORM (Naturally Occurring Radioactive Material) contamination, Gross wipe counting, Contamination surveys of packages, equipment, people, etc.,



Regulatory inspections, Scrap Metal Screening, Low energy radionuclide detection



## Radiation Alert Monitor 1000EC

The Monitor 1000EC is an energy compensated radiation detector that measures gamma, and x-rays. Perfect for most applications requiring an energy compensated detector. Users can choose from readings of CPM, CPS,  $\mu\text{Sv/hr}$ , mR/hr, or in accumulated counts. It has a red count light, a beeper that sounds with each count detected, and includes an adjustable timer, and selectable alert.

- Free Observer USB Software
- Free Observer BLE Software For Use With The
- Optional Bluetooth Module

The Radiation Alert® Monitor 1000EC doesn't stop there. Included with your purchase is the Free Observer USB Software (compatible with Windows only), reads in Total Counts, CPM,  $\mu\text{R/hr}$ , mR/hr, CPS,  $\mu\text{Sv/hr}$ , and has the ability to collect and log data, set alarms, set timed counts, set the calibration date and settings, and generate reports, enabling you to effortlessly download and manage your data while setting up computer alarms for added convenience.

For an enhanced experience, the optional Bluetooth module opens up a world of possibilities. The Radiation Alert® seamlessly integrates with the free Radiation Alert® Observer BLE app available for download from the Google App Store. This app empowers you to display real-time readings with descriptions, conduct timed counts, append GPS data, and send your saved survey files. What's more, any alarms set on the instrument will be mirrored on your android device, ensuring you stay informed and in control.

Free Radiation Alert® Observer BLE app from the Google App Store, where you can display the readings from your detector, label sample readings and descriptions, take timed counts, append GPS data and send your saved survey file. This radiation detector helps you to set alarms which will also activate if you sync it with your android device. .

This radiation detector device include Free Observer USB software (Windows® only) reads in Total Counts, CPM,  $\mu\text{R/hr}$ , mR/hr, CPS,  $\mu\text{Sv/hr}$ , and has the ability to collect and log data, set alarms, set timed counts, set the calibration date and settings, and generate reports.

Applications & Uses: X-ray chamber inspection, Expanded Range up to 1000 mR/hr, Linear Response needs with Energy



Compensation, Checking accelerator & x-ray shielding for leakage, Checking industrial gauges, such as moisture, density, or level gauges containing Cesium-137, Locating lost sources, Personal protection, Linear response detection applications, General surveying

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**Stralingsdetectie > Handmonitoren**

## **Radiation Alert® GammaView**

The compact GammaView is light, easy to carry and operate with a 1×1 NaI scintillation detector that accurately measures gamma contamination and exposure. Perfect for use in the lab, facility, and in the field.

The GammaView boasts a user-friendly interface featuring a backlit digital display, a red count light, and a distinctive beeper that signals each count detected, enhancing your ability to respond promptly to radiation levels. Selectable alert levels, an adjustable timer, allowing you to tailor the device to you specific requirements.

The GammaView can also be used as a single-channel analyzer (SCA). This function allows a “window” to be set to focus on a specific energy region of the gamma spectrum, effectively reducing the background count.

Specific Applications Include: Compliance monitoring, environmental monitoring, remote monitoring, health physics, homeland defense.



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Stralingsdetectie > Handmonitoren

## Radiation Alert Monitor 4

The Radiation Alert® Monitor 4 is a compact, analog radiation detector designed for versatility and reliability. This general-purpose survey meter can detect alpha, beta, gamma, and X-ray radiation across three selectable ranges. With decades of proven performance in the industry, the Monitor 4 has become one of the leading analog radiation detectors available today. Its simple, ergonomic design features a red count light that flashes and an audible beep for each detected count. A quick flick of your thumb allows for an easy battery check and silent operation.

Applications & Uses: Checking industrial gauges, such as moisture, density, or level gauges containing Cesium-137, Locating Sources, Personal protection, General surveying



# PERSOONLIJKE ELEKTRONISCHE DOSIMETERS



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Stralingsdetectie > [Persoonlijke elektronische dosimeters](#)

## Radiation Alert® Sentry EC

The Radiation Alert® Sentry EC is a personal alarming radiation dosimeter and rate meter, designed to safeguard personnel working in environments with potential X-ray or gamma exposure.

This pocket-sized unit features an energy-compensated tube for a linear gamma response and built-in memory for tracking accumulated exposure data. With the free SentryCom Software, you can easily generate incident reconstructions for analysis and set custom vibrating and audio alerts for dose (>1.0 mR/10 µSv) and dose rate (>1.0 mR/hr/10 µSv/hr).

An audio switch allows you to choose between audible clicks with each detected count or a discreet silent mode.



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Stralingsdetectie > [Persoonlijke elektronische dosimeters](#)

## Rad-60 Alarming Dosimeter

The RAD-60 is a Personal Alarming Radiation Dosimeter. It's a precise and reliable instrument for ensuring the safety of personnel. Ideally, the RAD-60 is used in stand-alone conditions for everyday radiation monitoring . The RAD-60 can also be switched into System Mode, for the purpose of tracking Personnel Dose records and generating compliance reports.

The design includes state-of-the-art technology with built in memory for retrieving dose, even during power-down. It eliminates outside interference from shock and RF. The RAD-60 is easily programmed by the user, has a digital display, and operates with a single AAA alkaline battery.

With the push of a button, you can turn the unit on/off, change the digital display to read dose or dose rate, select from several dose and dose rate alarm levels, turn the chirp function on/off, reset the integrated dose, and perform battery tests. The large digital display gives instant dose or dose rate readings with a loud audible alarm.

