

GEBIEDSMONITOREN



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Partner **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.

Product offering





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:

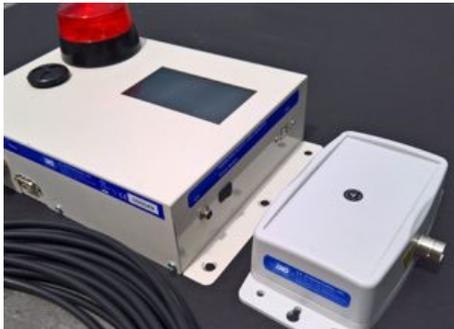
Ruimtebewaking voor ziekenhuizen, röntgenmachines, versnellers, laboratoria, enz. Portaalbewaking, zoals deuren en looppaden, Bronbewaking, Alarmen bij aanwezigheid van straling of afwezigheid van bronnen



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

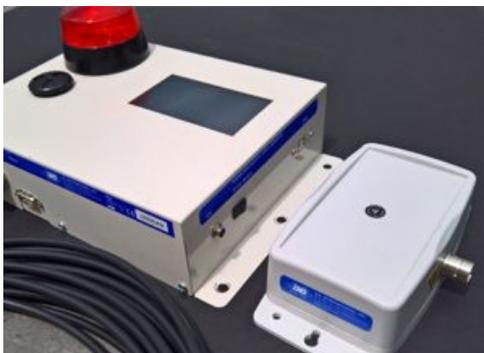
← [Back to partner](#)



Stralingsdetectie > Gebiedsmonitoren

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



Partner Ludlum Measurements



Ludlum Measurements, Inc. is een vertrouwde wereldwijde leverancier van instrumenten voor stralingsdetectie en -monitoring en biedt robuuste, nauwkeurige oplossingen voor personeelsveiligheid, milieubescherming en beveiligingsscreening. Sinds 1962 wordt hun apparatuur wereldwijd gebruikt in toepassingen variërend van kernenergie en noodhulp tot grensbewaking en monitoring van kritieke infrastructuur.

Product offering

<p>Model 375 Ruimte-monitorregelaar</p> 	<p>Model 375/1 digitale oppervlaktemonitor</p> 	<p>Model 375/2 Digital Area Monitor - Ludlum</p> 	<p>Model 375/4 Gamma Area Monitor - Ludlum</p> 
<p>Model 375-10 Digital Area Monitor - Ludlum</p> 	<p>Model 375-9 Digital Area Monitor - Ludlum</p> 	<p>Model 375-Dual Digital Area Monitor - Ludlum</p> 	<p>Model 375-20 Monitoring System</p> 
<p>Model 375-30</p> 	<p>Model 375/31H</p> 	<p>Model 3276 - Area Monitor Controller</p> 	<p>Model 3277/1 Alpha-Beta Frisker</p>  <p>Model 3277/1 with Desktop Mount (PN 4519-435) and Model 43-93 (PN 47-2556)</p>

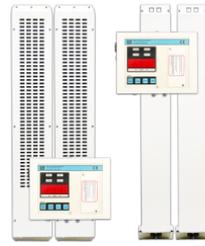
Model 375P-1000



Model 375P-2000



Model 375P-336 Series



**Model 240 Series
Alpha-Beta Floor and
Wall Monitor**



**Model 3002/FM Series
Alpha-Beta Floor
Monitor**



**Model 239-1F Series
Alpha-Beta Floor
Contamination
Monitor**



**Model 375P-336
Surface
Contamination
Monitor - Ludlum**





Stralingsdetectie > Gebiedsmonitoren

Model 375 Ruimte monitorregelaar

Het Model 375 is een veelzijdige, compacte en zeer betaalbare digitale elektronische regelaar ontworpen voor het monitoren van straling in ruimtes. Het eenvoudige ontwerp is geschikt voor veel verschillende detectoren voor uiteenlopende toepassingen en is uitgerust met een lokale uitlezing en alarmen. Deze veelzijdige units kunnen ook worden aangesloten op een optionele hulpindicator/aankondiging voor het waarschuwen van personeel op afgelegen locaties.



Kenmerken:

- Betaalbare digitale controller
- Past zich aan een grote verscheidenheid aan detectoren aan
- Programmeerbare alarmen en meeteenheden
- Geschikt voor netwerken (optie Ethernet of webpagina-interface vereist)
- Batterijondersteuning

Overzicht:

Het model 375 is een digitale zonebewakingscontroller voor stralingsmeting of -detectie. Het eenvoudige ontwerp is geschikt voor veel verschillende detectoren, voor uiteenlopende toepassingen, en is uitgerust met een groot digitaal LED-display en alarmen. Dit veelzijdige instrument kan ook worden aangesloten op optionele hulpindicatoren/aanwijzers om personeel op afgelegen locaties te waarschuwen. Het gebruiksvriendelijke, digitale ontwerp vergemakkelijkt de instelling en bediening. Dit apparaat kan ook in een netwerk worden aangesloten op een centraal pc-station waar gegevens worden geregistreerd en alarmen worden doorgegeven.

Toepassingen en gebruik:

Dit betaalbare en flexibele systeem kan worden gebruikt in veel verschillende toepassingen en in de loop der jaren heeft Ludlum Measurements een breed scala aan detectoren, accessoires en opties ontwikkeld die kunnen worden opgenomen in een Model 375 systeemconfiguratie. Deze omvatten alarmen met afstandsindicatie, printers, relaisuitgangen, weerbestendige behuizingen, Ethernet netwerksoftware, industriële camera's en meer. Zie de link op het tabblad "Opties" voor meer informatie over de beschikbare opties.



Model 375/1 digitale oppervlaktemonitor

De model 375/1 digitale oppervlaktemonitor is ontworpen met het oog op zichtbaarheid en gebruiksgemak. De monitor heeft een interne 18 mm CsI scintillator met een gevoeligheid van ongeveer 120 cpm/R/hr.

De monitor heeft een behuizing voor wandmontage en een viercijferig LED-display dat je kunt aflezen vanaf 9 meter (20 voet) afstand.

De indicatoren waarschuwen met een alarm wanneer ze een lage straling (met geel), een hoge straling (met rood), een instrumentstoring (ook rood) of een lege batterij (met geel) detecteren.



Kenmerken:

- Betaalbare gebiedsmonitor
- Bereik: 0,1 tot 9999 $\mu\text{R/hr}$
- Compact, geïntegreerd ontwerp
- Lage achtergrondgevoeligheid
- Audio- en visuele alarmen
- Geschikt voor netwerken (optie Ethernet of webpagina-interface vereist)

Overzicht:

Het model 375/1 digitale wandmonitor is ontworpen voor zichtbaarheid en gebruiksgemak. Deze monitor bevat een interne 18 mm CsI-scintillator met een gevoeligheid van ongeveer 120 cpm per $\mu\text{R/hr}$. Hij heeft een behuizing voor wandmontage en een viercijferig LED-display dat leesbaar is vanaf 9 meter (30 voet) afstand. Indicatoren met achtergrondverlichting waarschuwen voor lage straling (geel), hoge straling (rood), instrumentstoring (rood) en lege batterij (geel), samen met een alarm. Een groen statuslampje geeft aan dat het instrument goed werkt.

De parameters zijn beschermd onder een kalibratiekap die toegang biedt tot het aanpassen van de kalibratieconstante, dode tijdcorrectie en alarmpuntparameters. De parameters worden opgeslagen in een niet-vluchtig geheugen (blijven ook behouden als de stroom is uitgeschakeld). Er is een logaritmische analoge uitgang met vijf decaden.



Model 375/2 Digital Area Monitor - Ludlum

The Model 375/2 Digital Wall-Mount Area Monitor is designed for visibility and ease of use. This monitor incorporates an internally-housed energy compensated GM detector with a range from 1 $\mu\text{Sv/h}$ to 10 mSv/h (0.1 mR/hr to 1 R/hr). It features a wall-mount chassis and a four-digit LED display that is readable from 9 meters (30 feet) away. Backlit indicators warn of low radiation (yellow), high radiation (red), instrument failure (red), and low battery (yellow), along with an alarm. A green status light indicates the instrument is functioning properly.



Features

- Affordable Area Monitor
- 1 $\mu\text{Sv/h}$ to 10 mSv/h (0.1 mR/hr to 1 R/hr)
- Integrated Design
- Battery Backup
- Networkable (Requires Ethernet or Webpage Interface Option)
- Audio & Visual Alarms

Overview:

The Model 375/2 Digital Wall-Mount Area Monitor is designed for visibility and ease of use. This monitor incorporates an internally-housed energy compensated GM detector with a range from 1 $\mu\text{Sv/h}$ to 10 mSv/h (0.1 mR/hr to 1 R/hr). It features a wall-mount chassis and a four-digit LED display that is readable from 9 meters (30 feet) away. Backlit indicators warn of low radiation (yellow), high radiation (red), instrument failure (red), and low battery (yellow), along with an alarm. A green status light indicates the instrument is functioning properly.

Parameters are protected under a calibration cover. Calibration is easily accomplished by moving the cal dipswitch to the right, and using the pushbuttons to increment or decrement the calibration constant, dead time correction, and alarm point parameters. Parameters are stored in non-volatile memory (retained even with power disconnected). A five-decade logarithmic analog output is provided. A battery backup provides 48 hours of additional use after the primary power is removed.



Model 375/4 Gamma Area Monitor - Ludlum

The Model 375/4 Digital Wall-Mount Area Monitor is designed for visibility and ease of use. This monitor incorporates an internally housed energy compensated GM detector with a range from 0.01 mSv/h to 100 mSv/h (1.0 mR/hr to 10 R/hr). It features a wall-mount chassis and a four-digit LED display that is readable from 9 meters (30 feet) away. Backlit indicators warn of low radiation (yellow), high radiation (red), instrument failure (red), and low battery (yellow), along with an audible alarm. A green status light indicates the instrument is functioning properly.



Features:

- Affordable Area Monitor
- 0.01 mSv/h to 100 mSv/h (1.0 mR/hr to 10 R/hr)
- Integrated Design
- Battery Backup
- Networkable (Requires Ethernet or Webpage Interface Option)
- Audio & Visual Alarms

Overview:

The Model 375/4 Digital Wall-Mount Area Monitor is designed for visibility and ease of use. This monitor incorporates an internally housed energy compensated GM detector with a range from 0.01 mSv/h to 100 mSv/h (1.0 mR/hr to 10 R/hr). It features a wall-mount chassis and a four-digit LED display that is readable from 9 meters (30 feet) away. Backlit indicators warn of low radiation (yellow), high radiation (red), instrument failure (red), and low battery (yellow), along with an audible alarm. A green status light indicates the instrument is functioning properly.

Parameters are protected under a calibration cover. Calibration is easily accomplished by moving the “cal” dipswitch to the right, and using the pushbuttons to increment or decrement the calibration constant, dead time correction, and alarm point parameters. Parameters are stored in non-volatile memory (retained even with power disconnected). A five-decade logarithmic analog output is provided. A battery backup provides 48 hours of additional use after the primary power is removed.



Stralingsdetectie > Gebiedsmonitoren

Model 375-10 Digital Area Monitor - Ludlum

This wall-mounted area monitor with an internal NaI scintillation detector is simple to set up, use, and calibrate. The four-digit LED display is readable from 9 meters (30 feet) away. User-configurable alarm setpoints are easy to configure. Parameters are protected under a calibration cover, and further protected by an eight-hour battery backup. They are also stored in non-volatile memory that retains the information even if primary power is disconnected. The controller supplies local alarms but can be connected to external alarms, strobes, camera, or other recording and monitoring devices, or put onto an Ethernet network, if desired.



Features:

- Range: 0.1 to 20 $\mu\text{Sv/hr}$ (1 to 2000 $\mu\text{R/hr}$)
- Encased Shielded Sodium Iodide (NaI) Detector
- User-Programmable Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)
- 8-Hour Battery Backup

Overview:

This wall-mounted area monitor with an internal NaI scintillation detector is simple to set up, use, and calibrate. The four-digit LED display is readable from 9 meters (30 feet) away. User-configurable alarm setpoints are easy to configure. Parameters are protected under a calibration cover, and further protected by an eight-hour battery backup. They are also stored in non-volatile memory that retains the information even if primary power is disconnected. The controller supplies local alarms but can be connected to external alarms, strobes, camera, or other recording and monitoring devices, or put onto an Ethernet network, if desired. The Model 375-10 includes the Model 375 Ethernet hardware option. It is also preprogrammed to use the Model 375 Webpage & Service Software that is available separately (Part Number 1370-077).

An optional lead shield can be included with the detector for applications that need to prevent alarms from low-energy sources. (**Note:** The lead shield option should not be used in applications that need to monitor low-energy sources, such as medical isotopes.)



Model 375-9 Digital Area Monitor - Ludlum

The Model 375-9 Digital Wall-Mount Area Monitor is designed for visibility and ease of use. This monitor provides a fast response to pulsed fields by utilizing an external ion chamber covering any four consecutive decades between 1 $\mu\text{Sv/h}$ and 1000 mSv/h (0.1 mR/hr and 100 R/hr). It features a wall-mount chassis and a four-digit LED display that is readable from 9 meters (30 feet) away. Backlit indicators warn of low radiation (yellow), high radiation (red), instrument failure (red), and low battery (yellow), along with an audible alarm. A green status light indicates the instrument is functioning properly.



Features:

- Integrated Measurement System
- External Ion Chamber Detector
- User-Programmable Alarm Settings
- Audible & Visual Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)

Overview:

The Model 375-9 Digital Wall-Mount Area Monitor is designed for visibility and ease of use. This monitor provides a fast response to pulsed fields by utilizing an external ion chamber covering any four consecutive decades between 1 $\mu\text{Sv/h}$ and 1000 mSv/h (0.1 mR/hr and 100 R/hr). It features a wall-mount chassis and a four-digit LED display that is readable from 9 meters (30 feet) away. Backlit indicators warn of low radiation (yellow), high radiation (red), instrument failure (red), and low battery (yellow), along with an audible alarm. A green status light indicates the instrument is functioning properly.

Parameters are protected under a calibration cover. Calibration is easily accomplished by moving the cal dipswitch to the right, and using the pushbuttons to increment or decrement the calibration constant and alarm point parameters. Parameters are stored in non-volatile memory (retained even with power disconnected). A five-decade logarithmic analog output is provided. A battery backup provides 48 hours of additional use after the primary power is removed.



Model 375-Dual Digital Area Monitor - Ludlum

The Model 375-Dual is a dual-channel digital area monitor controller based on the legacy version of the Model 375. It consists of two Model 375 controllers in one wall-mount chassis, each with its own detector connection. A common application is gamma and neutron monitoring: one controller monitors gamma radiation and the other monitors neutron radiation. This instrument may also be used to monitor radiation in two separate locations when used in conjunction with appropriate external detectors.



Features:

- Dual LED Digital Display
- Low and High Alarm Indicators
- Programmable Alarm Indicators
- Optional Remote
- Detector Fail Indicators
- Battery Backup
- Data Output/RS-232

Overview:

The Model 375-Dual is a dual-channel digital area monitor controller based on the legacy version of the Model 375. It consists of two Model 375 controllers in one wall-mount chassis, each with its own detector connection. A common application is gamma and neutron monitoring: one controller monitors gamma radiation and the other monitors neutron radiation. This instrument may also be used to monitor radiation in two separate locations when used in conjunction with appropriate external detectors.

Each controller features a four-digit LED display that is readable from 9 meters (30 feet) away. Backlit indicators on each instrument warn of low radiation alarm (yellow), high radiation alarm (red), instrument failure (red), and low battery (yellow). A green status light indicates the instrument is functioning properly. Calibration parameters are stored in non-volatile memory and protected under calibration covers on each controller.



Model 375-20 Monitoring System

Features:

- Affordable Digital Controller
- Weatherproof Encased-Shielded NaI Detectors
- Programmable Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)
- Battery Backup



The Model 375-20 is a Digital Model 375 Controller coupled to two shielded 5.1 cm (2 in.) diameter by 5.1 cm (2 in.) thick NaI(Tl) scintillation detectors. The detectors are encased in weathertight enclosures suitable for the outdoor environment, but the Model 375 Controller is normally mounted to a wall indoors near an operator. This is a simple, cost-effective system, easy to operate and maintain. The controller supplies local alarms but can also be connected to external alarms or put onto an Ethernet network if desired. Additionally, it has a 48-hour battery backup to keep the system operational in the event power is lost.

Options:

This device can be complemented with a variety of optional features to suit different operational needs. Available options include enclosures for added protection, remote displays for convenient monitoring, and alarm annunciators to enhance safety and response time. Additionally, signal outputs can be integrated for connection with external systems, while software and networking options allow for advanced data management and remote access capabilities.



Interested in Model 375-20? Contact us for more details!

Order now

Ask a question



Stralingsdetectie > Gebiedsmonitoren

Model 375-30

The Model 375-30 pairs a digital controller with two rugged, weatherproof NaI(Tl) detectors for reliable outdoor gamma detection. Simple, cost-effective, and easy to maintain, it features local and remote alarm options, Ethernet connectivity, and 48-hour battery backup for continuous operation.



Features:

- Affordable Digital Controller
- Weatherproof Encased-Shielded NaI Detectors
- Programmable Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)
- Battery Backup

Overview:

The Model 375-30 is a digital Model 375 Controller coupled to two shielded 7.6 cm (3 in.) diameter by 2.5 cm (1 in.) thick NaI(Tl) scintillation detectors. The detectors are encased in NEMA 4X rated weathertight enclosures suitable for the outdoor environment, but the 375 Controller is normally mounted to a wall indoors near an operator. This cost-effective system is simple, making it easy to operate and maintain. The controller supplies local alarms but can also be connected to external alarms or put onto an Ethernet network if desired. It additionally has a 48-hour battery backup to keep the system operational in the event power is lost.



Model 375/31H

The Model 375 is a compact, digital controller designed for flexible radiation monitoring across diverse environments. Paired with a high-performance neutron detector, it offers accurate thermal and fast neutron detection with excellent gamma rejection. With local and remote alarms, Ethernet connectivity, and optional real-time data logging and imaging, the Model 375 is an ideal solution for centralized, networked radiation safety.



Features:

- Perfect for Temporary Jobsites
- Easy Setup and Use
- Versatile Controller with Highly Visible Display
- User-Programmable Alarms
- Network and Relay Options
- 48-Hour Battery Backup
- CE Certified

Overview:

The Model 375 is a versatile, compact, and easy-to-use digital electronic controller designed for monitoring radiation in areas. Its simple design accommodates many different detectors to suit a wide variety of applications, and it is equipped with a local readout and alarms. These versatile units may also be connected to an optional auxiliary indicator/annunciator to alert personnel at remote locations. The user-friendly, digital design enhances setup and operation. The Model 375 units may also be networked to a central PC-based station where data are logged and alarms posted.

Applications & Uses:

This affordable and very flexible system has found its way into many applications resulting in a full complement of detectors, accessories, and options that include remote indicator alarms, printers, relay outputs, weather-proof enclosures, Ethernet networking software, industrial cameras, and more.

Sites requiring centralization of their data can link multiple 375 systems together via Ethernet and view them using a common web browser with the purchase of Ludlum's Webpage & Service Software. This program collects all data in real time, logs data, and annunciates any alarms. The system can also send intelligent email alerts to responsible personnel and capture a picture of whatever triggered an

alarm if optional Ethernet cameras are employed.



Model 3276 - Area Monitor Controller

The Model 3276 is a lightweight, versatile radiation detection unit designed for both area monitoring and frisking applications. Compatible with alpha, beta, and gamma detectors, it features a large backlit display, audible alarms, and intuitive controls. Ideal for indoor use, the Model 3276 supports multiple measurement modes and units, offering precision and flexibility in a compact, rugged design.



Features:

- Uses Either an Internal or External Detector to Measure Alpha, Beta, or Gamma Radiation
- Versatile - Can Operate as an Area Monitor or a Frisker
- Simple Setup and Use
- User-Adjustable Alarms
- User-Programmable Units of Measurement, Either U.S. or SI Units
- Power: Standard Alkaline (4) "AA" Batteries or 9 Vdc Wall Mount Transformer

Overview:

The Model 3276 is a versatile instrument that can be used for multiple radiation detection or measurement purposes. It is used with either an internal or an external radiation detector to detect alpha, beta, or gamma radiation in applications such as frisking or area monitoring.

It features a large, backlit, easy-to-read LCD screen and audible alarms and is controlled using a simple four-button interface. The unit body is made of lightweight, rugged aluminum. It is not intended for outdoor use and should be protected from splashing water. The attached metal handle facilitates transportation between sites. The instrument can be wall-mounted for area monitoring applications or mounted to a stand for desktop applications such as frisking.

Applications & Uses:

The Model 3276 can measure radiation in count rate, exposure rate, exposure rate/dose, activity rate, integrated exposure/dose, time-averaged rates, and scaler counts. When used as a frisker, three modes of operation are available - RATE, MAX, and COUNT - which can be selected by pressing the MODE button. When used as an area monitor, only RATE mode is available by default. Measurements can be collected in two sets of units (primary and secondary) for RATE and MAX modes in cps, cpm, Bq, dpm, R/hr, or Sv/h units. The user can

switch between the two sets of units by pressing the UNITS button. When used as a frisker with a scintillation detector, a sigma audio mode can be enabled that allows the user to find small increases above the background radiation level.

Instrument setup can be done either through the front-panel controls or via the Lumin Calibration Kit (PN: 4498-1018). Power is supplied by either four alkaline "AA" batteries or a 9 Vdc wall mount transformer. The Model 3276 is shipped ready to use with batteries, a wall transformer, and a calibration certificate.



Model 3277/1 Alpha-Beta Frisker



Features:

- 7-inch Colour Touch-Screen Display Shows All Readings Simultaneously in a Large, Simple Layout
- Simple Setup and Use
- Can Be Used with Various Scintillation or Proportional Detectors
- Either Imperial or SI Units
- Rechargeable Backup Battery
- Automatic Background Subtraction During Measurements

Overview:

The Model 3277/1 is a wall-mount or desktop instrument that can be used for frisking personnel or objects for alpha and beta contamination. A large, colour touch-screen displays alpha and beta readings simultaneously, and dual tone click-audio enables the user to easily distinguish between alpha and beta contamination. Power is supplied by either an internal, rechargeable battery or a 100 – 240 Vdc wall transformer. Battery life is approximately 8 hours under normal usage.



Model 375P-1000



Features:

- Checks for Surface Contamination Entering/Exiting Facilities
- Affordable Digital Controller
- Weatherproof Encased-Shielded Plastic Scintillator Detectors
- Programmable Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)
- Battery Backup

Overview:

The Model 375P-1000 is a digital Model 375 Controller coupled to two shielded 7866 cm³ (480 in³) plastic scintillator detectors. The detectors are encased in weathertight enclosures suitable for the outdoor environment. The Model 375 Controller is not weatherproof and must be mounted either indoors or within an environmental enclosure (available separately, see Options). This cost-effective solution offers a simple system that is easy to operate and maintain.

The system continuously monitors background levels and will alert the user when the infrared sensors detect a contaminated object. Once the object is removed, the system will return to normal (background) monitoring.

The controller supplies local alarms, but can also be connected to external alarms or even put onto an Ethernet network if desired. In addition, a 24-hour battery backup keeps the system operational in the event power is lost.



Model 375P-2000

The Model 375P-2000 features a digital controller with four large, lead-shielded plastic scintillator detectors in rugged, weatherproof housings—ideal for monitoring objects entering or exiting facilities. With infrared-triggered detection, programmable alarms, network capability, and 24-hour battery backup, it delivers dependable, automated contamination control in a user-friendly, cost-effective system.



Features:

- Checks for Surface Contamination Entering/Exiting Facilities
- Affordable Digital Controller
- Weatherproof Encased-Shielded Plastic Scintillator Detectors
- Programmable Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)
- Battery Backup

Overview:

The Model 375P-2000 is a digital Model 375 Controller coupled to four lead-shielded 7866 cm³ (480 in³) plastic scintillator detectors. The detectors are encased in weather-tight enclosures suitable for the outdoor environment. The Model 375P Controller is not weatherproof and must be mounted either indoors or within an environmental enclosure. This cost-effective solution offers a simple system that is easy to operate and maintain.

The system continuously monitors background levels and will alert the user when the infrared sensors detect a contaminated object. Once the object is removed, the system will return to normal (background) monitoring.

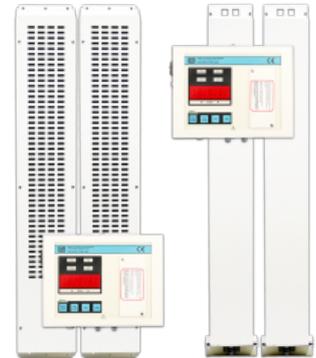
The controller supplies local alarms, but can also be connected to external alarms or put onto an Ethernet network if desired. In addition, a 24-hour battery backup keeps the system operational in the event power is lost.



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Model 375P-336 Series

The Model 375P-336 Series combines a digital controller with two lead-shielded plastic scintillation detectors for reliable surface contamination monitoring. Available in both indoor (375P-336) and outdoor (375P-336-1L) configurations, these user-friendly, cost-effective systems offer local and remote alarms, Ethernet connectivity, and 24-hour battery backup for uninterrupted operation.



Features:

- Excellent Surface Contamination Screening Tool for Small Articles, Baggage, Packages, and Medical Waste
- Affordable Digital Controller
- 2 Large Plastic Scintillator Detectors
- Programmable Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)
- Includes Check Source for Calibration
- 24-Hour Battery Backup

Overview:

The Model 375P-336 Series are monitoring systems that consist of a Model 375P digital controller coupled with two lead shielded 2753 cm³ (168 in³) plastic scintillation detectors. The Model 375P-336 is designed for indoor applications, while the Model 375P-336-1L has detectors housed in waterproof enclosures that can be mounted outdoors. The Model 375P controller is not weatherproof and must be mounted either indoors or within an environmental enclosure.

These simple and cost-effective solutions offer a system that is easy to operate and maintain. The controller supplies local alarms but can also be connected to external alarms or put onto an Ethernet network if desired. Each system has a 24-hour battery backup to keep it operational in the event power is lost.



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Model 240 Series Alpha-Beta Floor and Wall Monitor

The Model 240 is a portable, high-efficiency alpha-beta contamination monitor designed for fast, accurate scanning of floors and walls. Featuring an array of low-background detectors, real-time alarms, and USB connectivity for streamlined data logging and reporting, it delivers precise, user-friendly performance—ideal for labs, cleanrooms, and decontamination zones.



Features:

- Quickly Surveys and Datalogs Large Areas with 173 cm (68 in.) Wide Path
- Hinged Array Can Be Folded for Easy Transportation
- 12 Alpha-Beta Detector Capability
- Can Use Either Gas Proportional or Scintillation Detectors
- Measures and Warns Operator About Excessive Speed

Overview:

The Model 240 Alpha-Beta Floor and Wall Monitor allows a user to quickly survey large areas for alpha-beta contamination. Compatible with either gas-proportional or scintillation detectors, the Model 240 cart comes in a floor-style only version, or a version that supports both floor and wall monitoring. Detector-to-surface spacing is adjustable and detectors are positioned for no “dead” zones when scanning. Gas proportional models come with a gas regulator, flowmeters, and gas lines, but a P-10 gas bottle is not included. The cart also provides two holders for spare detectors, to provide for replacement if a detector becomes damaged.

Utilizing an array of detectors instead of a single detector provides several advantages: 1) smaller detectors have lower backgrounds and thus lower minimum detectable activity (MDA); 2) smaller detectors allow the user to pinpoint the contamination; and 3) smaller detectors make it easier to maintain and replace fragile metallized polyester windows necessary for alpha detection.

The array of detectors is connected to an electronics box, which has a USB connection to a laptop. The electronics has 12 separate detector boards, each with its own settable high voltage, lower and upper thresholds, and alpha-beta count channels. The laptop display makes it easy to view all 12 detectors simultaneously, and provides setup wizards to help with establishing operating points for the detectors.

The system initially measures radiation background from the detector array, allowing the operator to see net counts during scanning. While scanning, a rolling average is checked on all 24 channels (12 each, alpha and beta) every half-second, and a momentary audible and visual alarm activates if any alarm points are exceeded. Measurements are also automatically logged to a file for subsequent reports.

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Model 3002/FM Series Alpha-Beta Floor Monitor

The Model 3002/FM Series Alpha-Beta Floor Monitors allow a user to quickly survey large areas for alpha-beta contamination. They combine the dependable [Model 3002 Alpha-Beta Survey Meter](#) with two alpha-beta scintillation detectors in configurations ideal for floor monitoring. The use of scintillation detectors creates an instrument that requires much less maintenance than traditional gas flow proportional detectors.



Features:

- Large Backlit and Auto-Ranging LCD
- Simultaneous Alpha-Beta Counting
- Gasless - Uses Scintillators and PMTs
- Dual-Tone Audio: Low-Pitch Beta Clicks and High-Pitch Alpha Beeps
- 4-Button Interface for Easy Operation
- Height Above Floor Easily Adjusted
- Rate, Max, and Count Modes



Model 239-1F Series Alpha-Beta Floor Contamination Monitor



Features:

- 594 cm² or 821 cm² Active Area Gas Proportional Detector
- Adjustable Detector Height
- Compatible with Multiple Survey Meters

Overview:

The Model 239-1F Floor Monitor is a gas proportional floor monitor detector mounted on a roll-around cart. The instrument features a flow system, quick-connects, a gas bottle mount, and a means to adjust the height of the detector from the floor for optimum performance. A nuclear counting gas bottle, gas regulator, and a survey instrument are required for the operation of the floor monitor.



Model 375P-336 Surface Contamination Monitor - Ludlum



Features:

- Excellent Surface Contamination Screening Tool for Small Articles, Baggage, Packages, and Medical Waste
- Affordable Digital Controller
- 2 Large Plastic Scintillator Detectors
- Programmable Alarms
- Networkable (Requires Ethernet or Webpage Interface Option)
- Includes Check Source for Calibration
- 24-Hour Battery Backup

Overview:

The Model 375P-336 Series are monitoring systems that consist of a Model 375P digital controller coupled with two lead shielded 2753 cm³ (168 in³) plastic scintillation detectors. The Model 375P-336 is designed for indoor applications, while the Model 375P-336-1L has detectors housed in waterproof enclosures that can be mounted outdoors. The Model 375P controller is not weatherproof and must be mounted either indoors or within an environmental enclosure (available separately).

These simple and cost-effective solutions offer a system that is easy to operate and maintain. The controller supplies local alarms but can also be connected to external alarms or put onto an Ethernet network if desired. Each system has a 24-hour battery backup to keep it operational in the event power is lost.