

Area Monitor PA

Radiation Area Monitor



The Radiation Alert® Area Monitor is the most user-friendly, all inclusive, state of the art radiation area monitoring solutions now available. The straight forward interface is an intelligent resistive touch screen display featuring a large five-digit LED readout.

It comes with an internal detector and free software for monitoring every Radiation Alert® Area Monitor on your network. Includes user selectable warning indicators for low and high radiation alarm levels, and detector failure. Setup email and text alerts to receive alarms while on the go. All the settings are stored internally, even when power is disconnected. All units come with a Certificate of Conformance and NIST traceable source calibrations are available upon request.

The free Area Monitor Server Software enables users to remotely monitor and configure their Radiation Alert® Area Monitors via USB or Ethernet. You can view the area monitors in real time, export collected data, and change the settings of the unit with the radiation area monitor software. There is no additional charge for the Area Monitor Server Software. Once the installer has been downloaded to the PC, the user double click the *.exe file to begin the software installation. Follow the on-screen prompts until the install is complete.

Area Monitor-PA vs Prime Alert*

| Feature | Audible and visual | Prime Alert* |
|-------------------------|--|---|
| Alarm Types | Audible and visual | Audible and visual |
| Relay Outputs | Yes – for interlocks, alarms, external devices | No relay functionality |
| Display | Yes - Digital display of real-time readings | No display; only status indicators |
| Detection | GM tube-based, configurable for various applications | GM tube-based |
| Alarm Thresholds | User-configurable via onboard interface or software | Factory-set, not user-adjustable |
| Data Logging | Optional logging or remote communication (USB/RS- 485, etc.) | Not supported |
| Enclosure | Rugged, wall-mountable, *NEMA-rated | Basic industrial housing |
| Calibration | Calibrated to NIST standards, user-adjustable | Factory calibrated |
| Power Options | AC powered with battery backup | AC powered only |
| Support & Customization | U.S.-based support, customizable alarm levels | Limited customization available |

*No longer available

Radiation Alert AM-PA

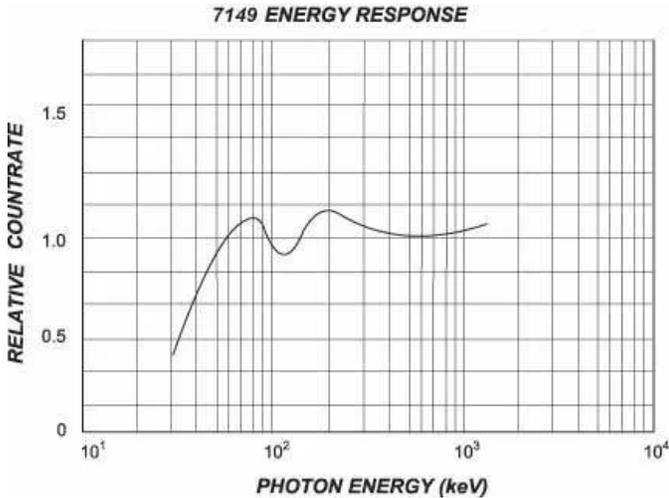
SPECIFICATIONS

Detector

LND 7149 Energy Compensated GM Detector Custom Probe Options Available. Tell us about your application and we can recommend the best probe options for your needs.

Sensitivity

1.5 cps/mR/hr



Operating Range

0.01 to 16,000 mR/hr (0.1 to 160,000 μ Sv/hr)

Linearity

NIST Calibrated readings within 10% of true value with detector connected.

*ALL NIST CALIBRATIONS ARE ONLY RATED to 0.1 to 1,000 mR/hr - (0.1 to 10,000 μ Sv/hr) However, the instrument will work to the stated operation range above.

Touch Screen Display

4.3 inch TFT 480×272 touch screen display with user friendly Programmable Units of Measurement and Audio and Visual Alarms. 5-digit LED display with 3 cm (1.5 in.) character height. 65K true colors capable of displaying full color images, animations, icons.

Base Units

Can display in μ R/hr, mR/hr, μ Sv/hr, mSv/hr, CPM, KCPM, CPS, KCPS,

Instrument Settings

Settings for Base Units, Alarms and Calibration Information can be accessed through the Touch Screen Display or through the software.

Indicators

Ultra-Bright Strobe Can trigger up to three relays with DB-9 serial connection, USB VCP for computer data logging, can also be used to control the unit with use of remote software for alarm indication and acknowledgment (Silence by remote),

High Voltage

User adjustable from 200 to 1200 volts

Audio

Main Unit- Main Unit- Sound turned off for monitoring sensitive areas. Sound can be turned on if desired. Remote Alarm- Audible Alarm is off.

Power

12 VDC wall mount adapter included

Battery Life

Typically 6 hours in non-alarm condition; 5 hours in alarm condition

Battery Charger

SLA Battery is continuously trickle charged when the instrument is connected to line power and turned on

Temperature Range

14° to 122°F (-10° to +50°C)

Humidity

10% to 70% Non-Condensing.

Dimensions

Base Unit: 8 x 11.25 x 4.25 in. (20.3 x 28.6 x 10.8 cm)

Remote alarm: 4.7 x 8.69 x 4.31 in (12.03 x 22.07 x 10.94 cm)

Construction

Easy mount steel enclosure

Includes

Management software for use with networked area monitors, Base Unit, Power Supply, Remote Alarm with cable

Options

NIST Calibration

Limited Warranty

1 year limited warranty

