

Radiation Alert

Radiation Area Monitor



The Radiation Alert® Radiation Area Monitor uses state of the art touch screen technology and a stream lined design to create one of the most user-friendly area monitors available. The user interface is an intelligent graphics display system featuring an integrated resistive touch screen, an easy to read five digit LED display, warning indicators for low and high radiation alarm levels, low battery, and instrument failure.

Calibration parameters are accessed by a safely recessed push button. A Calibration Settings screen displays a function menu that allows the user to set high voltage, threshold, dead time correction, network IP address, units of measure, USB and Ethernet communication, and calibration constant. The touch sensitive sliding scale makes adjustments simple. Parameters and user-selectable warning indicators for low and high radiation alarm levels, low battery, detector failure, and email and text alerts are stored internally even when power is disconnected. Batteries provide up to 7.5 hours of backup power (6 hours in alarm condition).

The Radiation Alert® Area Monitor is available with either internal or external detectors. All new units are electronically calibrated at the factory prior to shipment and NIST traceable source calibrations are available upon request.

Model & Detector/Range Options:

- **AM-7149:** 0.2 - 16,000 mR/hr (2.0 - 160,000 μ Sv/ hr)
Using an Internally Mounted LND 7149 Energy Compensated GM Detector. External mounting also available
- **AM-7128:** 15 μ R/hr – 200 mR/hr (0.2 - 2000 μ Sv/ hr)
Using an Internally Mounted LND 7128 Energy Compensated GM Detector. External mounting also available
- **AM-71313:** 0.1 to 1500 mR/hr (0.5 - 15,000 μ Sv/ hr)
Using an Internally Mounted LND 71313 Energy Compensated GM Detector. External mounting also available
- **AM-1X1NAI:** 1" x 1" NaI-INT: 1 μ R/hr to 500 mR/hr (0 μ Sv/hr – 5 mSv/hr) Internal 1X1 NaI(Tl) Scintillation Probe
- **AM-1X1 NAI:** 1" x 1" NaI: 1 μ R/hr to 500 mR/hr (0 μ Sv/hr – 5 mSv/hr) Using an Externally Mounted 1X1 NaI(Tl) Scintillation Probe
- **AM-2X2 NAI:** 2" x 2" NaI: 0.1 μ R/hr to 75 mR/hr (0 – 750 μ Sv/hr) Using an Externally Mounted 2X2 NaI(Tl) Scintillation Probe



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SPECIFICATIONS

Max Cable Lengths:

GM probes – 100 ft, Scintillation Probes – 50 ft

Display:

4.3 inch TFT 480x272 touch screen display with user friendly programmable units of measurement and audio and visual alarms - 5-digit LED display with 2.5 cm (1 in.) character height. 65K true colors capable of displaying full color images, animations, icons, and video clips

Display Units:

R/hr, mR/hr, KR/hr, Sv/hr, mSv/hr, Sv/hr, cpm, Kcpm, cps, Kcps

Response:

Varies automatically from 20 seconds to 2 seconds

Indicators:

Ultra-Bright Strobe and Audible Alarm - 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)

Ethernet:

10 Base-T connection for use with remote software for alarm indication and acknowledgment (silence by remote)

Calibrations Controls:

Functions accessible through touch screen push button under calibration cover enables secure access to changing settings

High Voltage:

User adjustable from 200 to 1200 volts

Dead Time:

User adjustable to compensate for dead time of the detector and electronics

Power:

12 VDC (110/220) wall mount adapter with four sets of international Adapters for almost any style wall receptacle

Battery Life: 7.5 hours - non-alarm; 6 hours - in alarm

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

Construction:

Easy mount steel enclosure

Temperature Range:

14 to 140 °F (-10 to 60 °C)

Size:

6.4 x 10.5 x 2.1 in. (16.2 x 26.6 x 5.3 cm)

Weight:

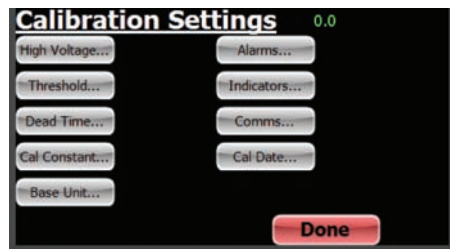
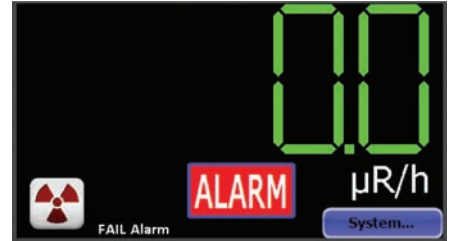
5.3lbs (2.4 Kg) Without Probe and Cable

Includes:

Management software for use with networked area monitors
Base Unit, Power Supply, CD with Software and Operation Manual, Mounting Clips (External Versions Only), C to C Cable (External Versions Only).

Options:

External Strobe and Horn, External Detectors (External GM, Internal Nal, External Nal)



Optional External Remote Alarm

External Remote Mounting Case for Ext GM Tube



External Remote Mounting Case for Nal (1"x1" and 2"x2")
(Dim: 8 x 11.25 x 4.25 in.)

