

# Radiation Alert<sup>®</sup> Area Monitor



The Radiation Alert<sup>®</sup> Area Monitor is one of the most user friendly, all inclusive, state of the art radiation area monitors available. The easy to use interface is an intelligent resistive touch screen display featuring a large five digit LED readout. It comes with either an internal or external detector and free software for monitoring every Radiation Alert<sup>®</sup> Area Monitor on your network. Includes user selectable warning indicators for low and high radiation alarm levels, low battery, detector failure, and email and text alerts. All the settings are stored internally, even when power is disconnected. All units are electronically calibrated at the factory. NIST source calibrations available upon request.

## Specifications

### RANGE OPTIONS:

- **AM-7149:** 0.2 - 16,000 mR/hr (2.0 - 160,000  $\mu$ Sv/hr) Using an Internally Mounted LND 7149 Energy Compensated GM Detector. External mounting also available
- **AM-7128:** 15 $\mu$ R/hr – 200 mR/hr (0.2 - 2000  $\mu$ Sv/hr) Using an Internally Mounted LND 7128 Energy Compensated GM Detector. External mounting also available
- **AM-71313:** 0.1 to 1500 mR/hr (0.1 - 15,000  $\mu$ Sv/hr) Using an Internally Mounted LND 71313 Energy Compensated GM Detector. External mounting also available
- **AM-1X1NAI:** 1  $\mu$ R/hr to 10 mR/hr (0  $\mu$ Sv/hr – 0.1 mSv/hr) Internal or External Mounted 1X1 NaI(Tl) Scintillation Probe (CsI(Tl) Option Available)
- **AM-2X2NaI:** 0.1  $\mu$ R/hr to 2 mR/hr (0 – 20  $\mu$ Sv/hr) Using an Externally Mounted 2X2 NaI(Tl) Scintillation Probe

### MAX CABLE LENGTHS:

GM Probes - 100ft, Scintillation Probes - 50ft

### TOUCH SCREEN DISPLAY:

5-digit 4.3 inch TFT 480x272 touch screen LED display

### BASE DISPLAY UNITS:

Can display in  $\mu$ R/hr, mR/hr,  $\mu$ Sv/hr, mSv/hr, cpm, Kcpm, cps, and Kcps



# SE INTERNATIONAL INC



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# RADIATION<sup>®</sup> A • L • E • R • T

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## 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, which 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)

## CALIBRATION 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:

Typically 7.5 hours in non-alarm condition; 6 hours in alarm condition

## 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:

-10 to 60 °C (14 to 140 °F)

## SIZE:

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

## WEIGHT:

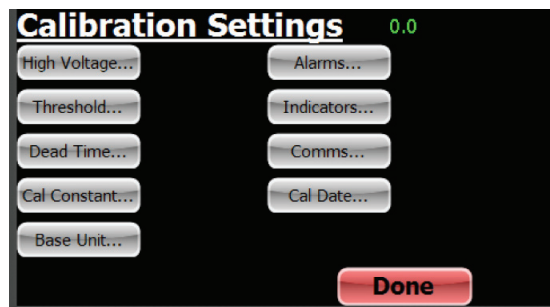
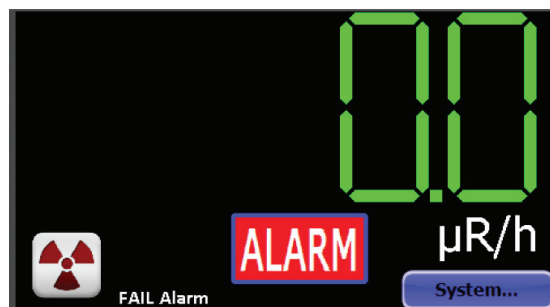
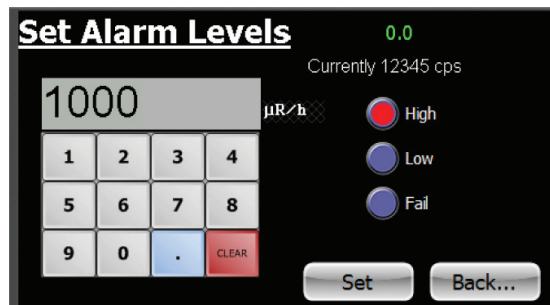
84.8 oz (5.3lbs) Without Probe and Cable

## 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 Detector, NIST Calibration



Remote Alarm



Remote Detector

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