

# RADIATION ALERT<sup>®</sup>

## Area Monitor 7149

### Internal or External Probe



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, 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. NIST Source calibrations available upon request.

#### 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

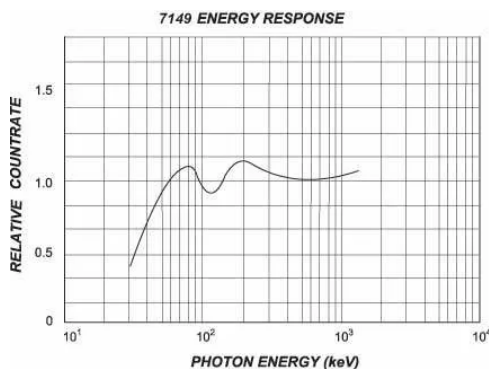
0.01 to 16,000 mR/hr  
(0.1 to 160,000 μSv/hr)

#### Accuracy

+/- 15% for Cs-137

#### Response

Varies automatically  
from 20 seconds to 2  
seconds



#### 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 μSv/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 1.5 cm (0.59 in.) character height. 65K true colors capable of displaying full color images, animations, icons.

#### Base Units

Can display in μR/hr, mR/hr, μSv/hr, mSv/hr, CPM, KCPM, CPS, KCPS,

# RADIATION ALERT<sup>®</sup>

by S.E. INTERNATIONAL, INC.

Reliable Radiation Detection Solutions

[radiationinfo@seintl.com](mailto:radiationinfo@seintl.com)

[www.seintl.com](http://www.seintl.com)

1.931.964.3561



# Radiation Alert® Area Monitor 7149

## 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 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),

## Alarm Sound

92 +/- 5 db(A) at 5Vdv at 24" (61 cm). at 25° C  
103 +/- 5 db(A) at 15Vdv at 24" (61 cm). at 25° C

## High Voltage

User adjustable from 200 to 1200 volts

## BoxPower

12 VDC wall mount adapter included.

## Battery Life

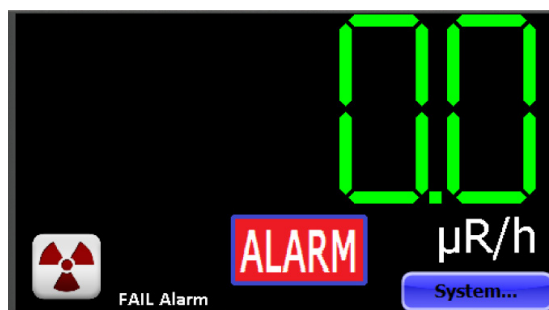
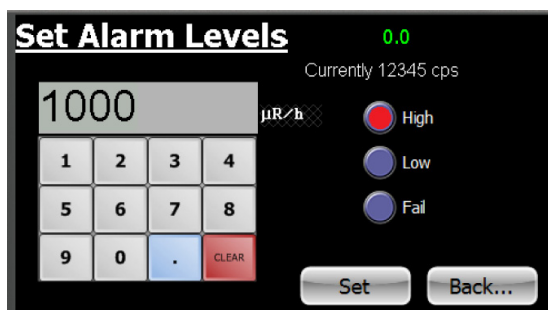
Typically 6 hours in non-alarm condition; 5 hours in alarm condition

## Battery Charger

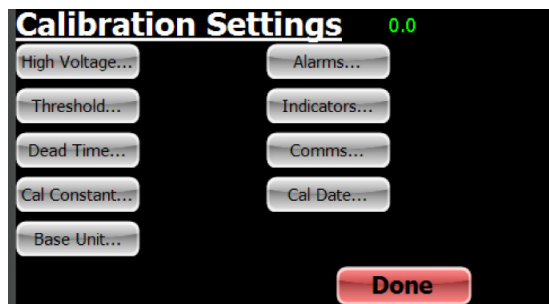
SLA Battery is continuously trickle charged when the instrument is connected to line power and turned on



External Probe Enclosure  
Includes 50' C to C cable



Remote Alarm



## Temperature Range

-10° to +50°C (14° to 122°F)

## Humidity

10% to 70% Non-Condensing.

## Size

Base Unit 20.3 x 28.6 x 10.8 cm (8 x 11.25 x 4.25 in.)  
External GM Size in Enclosure 17.78 x 10.16 x 5.05 cm (7 x 4 x 2 in) weight .204 kg (0.45) lbs.

## Construction

Easy mount steel enclosure

## Includes

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

## Options

External Strobe and Horn, External Detector and 50' C to C coax cable, NIST Calibration

## Limited Warranty

1 year limited warranty

# RADIATION ALERT®

by S.E. INTERNATIONAL, INC.

Reliable Radiation Detection Solutions

radiationinfo@seintl.com

www.seintl.com

1.931.964.3561

