

RADIATION ALERT® AREA MONITOR 1x1

Internal or External Probes



The Radiation Alert® Area Monitor is one of the most user friendly, all inclusive, state of the art radiation area monitor 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 Mounted 1x1 NaI(Tl) Scintillation Probe and free software for monitoring every Radiation Alert® Area Monitor on your network. Includes user selectable warning indicators for High and Low radiation alarm levels, detector failure, email and text alerts. All the settings are stored internally, even when power is disconnected. NIST source calibrations available upon request.



1x1 Probe in Clips

Specifications

Detector

1X1 NaI(Tl) Scintillation Probe.

Custom Probe Options Available. Tell us about your application and we can recommend the best probe options for your needs.

Sensitivity

Approximately 2500 CPS/mR/hr (137 Cs)

Operating Range

0.01 to 10 mR/hr (0.1 to 100 μ Sv/hr)

Energy Range

20 KeV – 1.5 MeV Recommended

Linearity

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

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

S.E. INTERNATIONAL, INC.

excellence in radiation detection - α β γ x

RADIATION ALERT®

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Instrument Settings

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

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),

High Voltage

User adjustable from 200 to 1200 volts Detector

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

-10° to +50°C (14° to 122°F)

Humidity

10% to 70% Non-Condensing.

Size

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

Construction

Easy mount steel enclosure

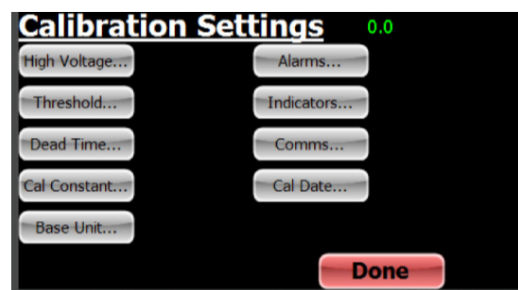
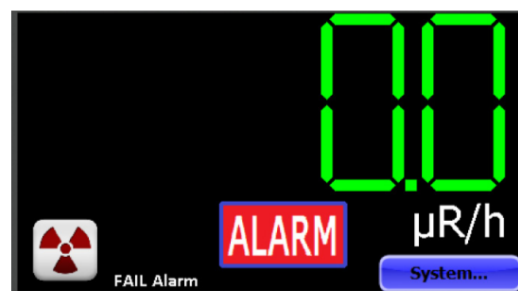
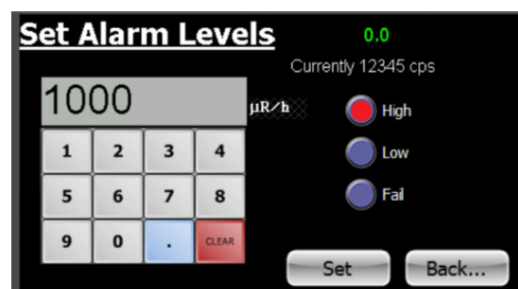
Includes

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

Options

External Strobe and Horn, External Detector, NIST Calibration

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



Remote Alarm



Ruggedized External
Probe Enclosure
Includes 50' C to C cable

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