

RADIATION ALERT®

Area Monitor 1 x 1

Internal or External Probe



The Radiation Alert® 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.

The AM1X1 comes with either an internal or external Sodium Iodide Scintillation Detector. Cesium Iodide probes available. Rugged, wall mount enclosure options are available for high traffic areas. Monitor every Radiation Alert® Area Monitor on your network with the free software. 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

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 µSv/hr)

Energy Range

20 KeV –1.5 MeV Recommended

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,

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.

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

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.) Probe
Size: 5.1 x 18.5 cm (2 x 7.3 in)

Construction

Easy mount steel enclosure

Includes

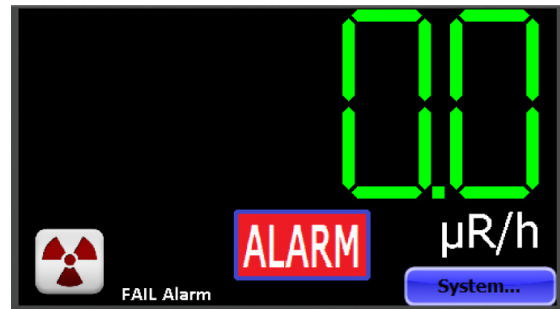
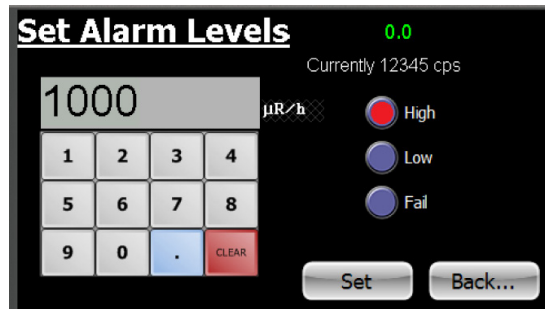
NIST Calibration, Management software for use with networked area monitors, Base Unit, Power Supply, Mounting Clips, C to C Cable (External Versions Only).

Options

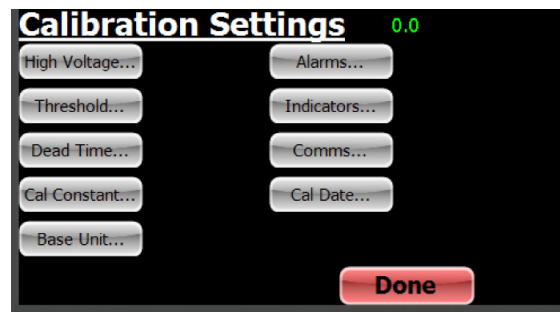
External Strobe and Horn, External Detector, 10 Base-T connection for use with remote software



Ruggedized External
Probe Enclosure
Includes 50' C to C cable



Remote Alarm



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