

ARM Series

Area Monitors

ARM-1, ARM-2, ARM-3

Comply with ANSI™ 42.33/1, 42.32 ve IEC 62401.

4 Years Warranty

Simple Installation and Setup

User Friendly Menu

7-Segment, 4 Digit, 44 mm Height Large Display

Programmable Low and High Alarm

Audio and Visual Alarms

Energy Compensated Geiger Müller Detector

Ready RS-232 Network Connection

96 Hours Battery Back-Up

Optional Remote Alarm

Anti-Jam Circuitry Prevents Erroneous Readings at Tube Saturation

Calibration Controls in Setup Menu

1 μ Sv/h to 10 mSv/h Dose Rate Range for ARM-1

10 μ Sv/h to 1 Sv/h Dose Rate Range for ARM-2

0.01 μ Sv/h to 1 mSv/h Dose Rate Range for ARM-3

ALARA RGD, ARM Series Digital Area Monitors are designed for a wide range of radiation area monitoring applications. They are completely self-contained units with energy compensated GM detectors, AC powered with internal battery backup and have user settable low and high alarms. An optional remote alarm is available for added security.

ALARA RGD, ARM Series Digital Area Monitors can be used wherever there is a need to detect and warn personnel of increasing radiation levels and to control the exposure of personnel to gamma radiation. The versatility of the ALARA RGD, ARM Series Area Monitors allows it to be used from industrial applications to medical settings.



SPECIFICATIONS

| | |
|-----------------------------------|--|
| Radiation Type: | Gamma/X-Ray |
| Detector Range: | ARM-1, 1 μ Sv/h to 10 mSv/h ARM-2, 10 μ Sv/h to 1 Sv/h ARM-3, 0.01 μ Sv/h to 1 mSv/h |
| Display: | 4 digit LED display with 44 mm character height |
| Display Units: | Can be made to display in μ R/hr, mR/hr, R/h, μ Sv/h, mSv/h, Sv/h, cpm, cps and others |
| Linearity: | \pm 10% of true value |
| Response: | 2 seconds refresh |
| Low alarm: | Indicated by a orange light and slow beep |
| High alarm: | Indicated by a red light and fast beep |
| Low battery Indicator: | Indicates 3 hours of battery power remaining |
| Calibration | |
| Controls: | Accessible from set up menu |
| Dead time: | Depending on GM Tube 5-100 μ Sn |
| Overload: | Senses detector saturation and indicates on display |
| Data output: | 9 pin RS-232 output |
| Power Requirements: | 220 Volt (AC), 50 Hz single phase |
| Rechargeable Battery life: | 96 hours (24 hours in alarm condition) |
| Battery charger: | Battery is continuously trickle charged when instrument is connected to line power and turned on |
| Construction: | Aluminum housing |
| Temperature Range: | - 20° to 50°C. |
| Size: | 250 x 156 x 44 mm (wxhxd) |
| Weight: | 1.8 kg |