



# RDS-Med™

## Radiation Monitoring Alarm Box



The RDS-Med Radiation Monitoring Alarm Box provides immediate and clear alerts in medical facilities for maintaining radiation safety standards.

The RDS-Med Radiation Monitoring Alarm Box with the RDS-Med™ Survey Meter\* integrates seamlessly into medical environments, enhancing safety protocols in areas like nuclear medicine and radiology departments. It is a critical tool for keeping healthcare professionals and patients safe from potential exposure to ionizing radiation.

The alarm box is designed for fixed installation in environments needing reliable, continuous radiation monitoring. Versatile and modular, it can be equipped with external probes, such as dose rate and surface contamination probes, in support of different radiation monitoring needs.

A transparent cover offers an at-a-glance view of internal and external detector results on the meter.

### POWER SUPPLY AND BACKUP

Designed for continuous operation, the alarm box is powered by 85-240 VAC 50/60 Hz. Internal batteries are a backup power source, for uninterrupted monitoring and alerting in the event of power failure.

### FEATURES

- ✓ Monitoring box for RDS-Med Radiation Survey Meters
- ✓ RDS-Med device can be easily removed to use as hand-held survey meter
- ✓ Modular and configurable design
- ✓ Optional dose rate and surface contamination probes
- ✓ Area monitoring applications:
  - via LAN using WRM2™ data transmission protocol
- ✓ Web based remote monitoring software available

\*RDS-Med Survey Meter sold separately



## MECHANICAL CHARACTERISTICS

- Casing EPDM and Polyurethane
- IP65 with protection caps for connectors (caps included)
- IP53 with LAN adapter installed
- Transparent cover for meter's display and alarm
- Size: 235 x 185 x 119 mm (9.3 x 7.3 x 4.7 in.)
- Weight with signal set on top, built-in LAN adapter and RDS-Med meter installed 2.1 kg (4.6 lb)

## ELECTRICAL CHARACTERISTICS

- Powered by 85-240 VAC, 50/60 Hz (included in the main housing, only power cord to connect to main).
- Optionally available: External backup battery.
- Base for signaling set on top and also a connector (12 VDC 500 mA) on the side of the box for adding the wall-mounted signaling set.
- The modular signaling sets provide indication for detector status (green light normal function) and detector alarm (red strobe light) with 105 dBA siren.
- Optionally available (modification): potential free changeover contacts for external alarm equipment or driving other external equipment, such as door control units (e.g., locking an entrance in case of an alarm). Max DC voltage 30 VDC and max. current 5 A).

## COMMUNICATION/DATA TRANSFER

- Built-in LAN adapter available for external communication.  
Note: LAN adapter is ordered (ref. RAF-A022) along with the box and cannot be retrofitted.
- Bluetooth® Low Energy communication is available to ConnectStudio™ software for monitoring outside the room if needed and allows connection to other ConnectStudio machine or Telemetry software.

## SYSTEM COMPONENTS



## ORDERING INFORMATION

- 1233-300 Alarm box without RDS-Med meter; Base and connector for both signaling sets included
- 1233-301 Signaling set (to be fixed on top of casing)
- 1233-302 Signaling set with wall mounting bracket, base, and cable included (default length 10 m, other lengths upon request)
- RAF-A022 LAN adapter with RJ45 connector (built-in at factory)

**Available Through Mirion Medical Companies: Capintec & Sun Nuclear**  
Health Physics for Healthcare solutions enable radiation monitoring in healthcare applications — a critical aspect of safety and compliance for all facilities using radiation in patient diagnosis and care.



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