



RDS-32™

Radiation Monitoring Alarm Box

The RDS-32 Radiation Monitoring Alarm Box is intended for stationary or fixed installation in premises where people may be exposed to ionizing radiation.

The RDS-32 survey meter is the main instrument and the system can be equipped with external probes. Connector for the probe is included and all RDS-32 versions can be used in the Alarm Box. The RDS-32iTxSD unit is a customized model designed to be used as a stationary meter with radiation angular response focused in the front of the instrument.

There is a transparent cover for the meter, and in probe mode, the results from both the internal and external detector are shown simultaneously in the graphic display.

The box also includes a base (on top) and a connector (on the side) for adding a signaling set with alarm siren and indication/warning lights (green/red).

The Alarm Box can be modified to include potential free changeover contacts for other external alarm

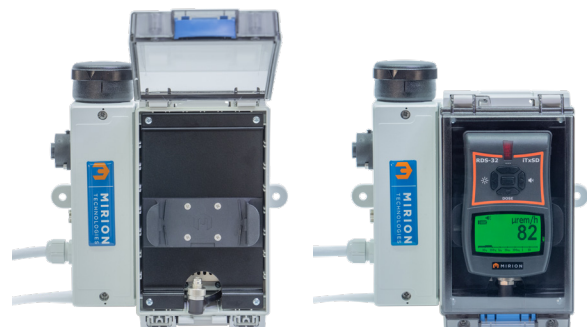


FEATURES

- ✓ Monitoring box for RDS-32 or RDS-31™ Radiation Survey Meters
- ✓ Modular and configurable design
- ✓ Optional dose rate and surface contamination probes
- ✓ Area monitoring applications:
 - via LAN using WRM2™ data transmission protocol
 - wireless WRM2 solution with iTx meters
- ✓ Web based remote monitoring
TeleView 3000 software available

equipment or driving external equipment, such as door control units, etc.

The system is powered by 85-240 VAC, 50/60 Hz. The internal batteries are used for backup power supply of the meter in case of mains failures (the external alarm equipment are not backed up).





Specifications

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-32iTxD meter installed 2.2 kg (4.85 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. 1233-303) along with the box and cannot be retrofitted.
- WRM communication over LAN, each monitor has TCP/IP address and sends dose rate and dose data at set intervals (including external probe data if connected).
- The monitor can be equipped for WRM (Wireless Radition Monitoring) application by replacing the standard RDS-32 meter with iTx model.

ORDERING INFORMATION

1233-300	Alarm box without RDS-32 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)
1233-303	LAN adapter with RJ45 connector (built-in at factory)

SYSTEM COMPONENTS

Wall mounting bracket and additional base included in signaling set ref. 1233-302



Connector for external probe cable

Power cord



A Base for fixing signaling set on top

The modular signaling set can be added onto the top base (**A**) and/or to a connector wall mounted (**B**). Base and connector are always included in the casing.



LAN adapter in the casing can be factory added.

Add any version of RDS-32 radiation survey meter.

Simply clip on and connect the cable.

Note that RDS-32iTxD is a specialized model designed to be used as a stationary meter with radiation angular response focused in the front of the instrument.

