

RadEye Area Monitor



The wall mounted **RadEye Area Monitor** extends the application range to convenient and cost-effective gamma and neutron area monitoring. In case of exceeding a preset threshold the system sets off an audible/optical alarm and the RadEye can be immediately used as a portable instrument.

- Area Monitor and flexible handheld instrument in one
- No additional handheld instrument for locating the source is necessary
- In case of power failure the RadEye is still operational due to rechargeable batteries and built-in battery charger
- Simultaneous gamma and neutron monitoring with two RadEye Area Monitors



1. Alarm Indication

Sound and visual alarm is indicated by the RadEye Area Monitor and the optional external alarm indicator.

Horn and bright flash light can be acknowledged even if the radiation level is still elevated

The Area Monitor is a RadEye application suitable for several different RadEye types. The following applications are possible:

- Gamma dose rate measurement (RadEye G),**
- Highly sensitive alarm indication for radioactive gamma sources (RadEye PRD)**
- Detection of neutron sources (RadEye N)**

2. No need for an additional portable instrment!

Authorized staff takes the RadEye out of the box.



4. Re-insertion of the RadEye

The green light of the external indicator turns on once the RadEye is reinstalled in the box. The Area Monitor is ready for action again.



3. Locate the radiation source using the RadEye

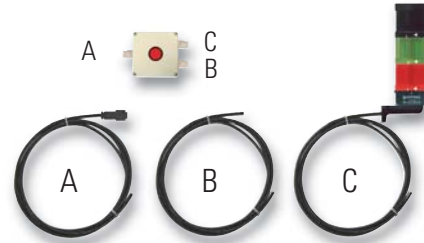


RadEye Area Monitor Accessories

The wall mounted Area Monitor can be complemented with an external alarm unit with horn and beacon signalling and can be remotely acknowledged. The alarm unit can be placed up to a distance of 10 m (other lengths upon request) from the Area Monitor via cable.



RadEye Area Monitor: Enclosure w/ transparent door; car adapter; AC/DC adapter w/ 2m cable & connector; red light on enclosure; RS 232 interface 9 pin D-SUB connector (watertight); connector for ext. alarm unit.



Additional external alarm unit consisting of: 5 m cable with connector fitting to connector at 4250680; small box with latching relay and acknowledgement button; 5 m cable between box and strobe + horn with wall mount holder.

In conjunction with the special battery lid and 2 standard NiMH AAA-cells, the inductive RadEye charger allows permanent operation of any RadEye version (except RadEye AB 100).

The RadEye remains galvanically isolated from the external DC-supply.



Inductive RadEye charger



Special battery lid

In case an alarm-relay output from the RadEye and/or simultaneous serial data communication is required, the car adapter 425067065 or the area monitor 4250680 is required.

