RadEye Area Monitor for Gamma and **Neutron Radiation Monitoring**

- Highly senisitve Area Monitor for wall mounting
- Removeable RadEye for localization of radiation sources
- Housing with power supply unit and battery recharger
- RadEye with rechargeable batteries for permanent
- RS232 interface for PC connection
- Socket for external alarm indicator with alarm acknowledge-

The RadEye Area Monitor is based on Thermo Scientific's new RadEye family of personal radiation meters. The RadEye was developed in response to a growing need for smaller, more compact detectors which have even more sensitivity to unwelcome radioactive sources.

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 source localization necessary
- In case of power failure the RadEve is still operational due to rechargeable batteries and built-in battery charger
- Simultaneous gamma and neutron monitoring with two RadEye Area Monitors

radiation level is still elevated.

Acoustical and optical alarm is indicated by the RadEve Area

Monitor and the optional external alarm indicator.

Horn and bright flash light can be acknowledged even if



2. No need for an additional portable instrument!

Authorized staff takes the RadEye out of the box.





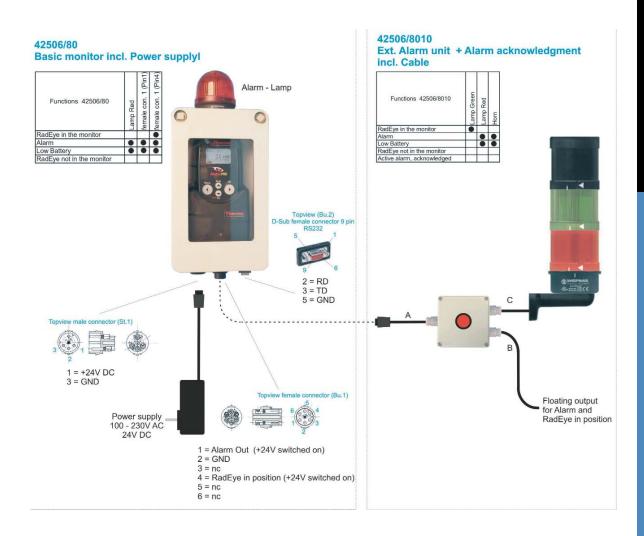
4. Re-insertion of the RadEve

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

3. Localization

of the radiation source





Depending on the used RadEye type a competitive dose rate monitoring system can be achieved. 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)

The wall mounted Area Monitor can be completed 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.

www.thermo.com



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