The RADOS RTM860TS body contamination monitor checks the entire body for contamination as personnel leave the radiologically controlled area. It is typically used in nuclear power plants, research reactors and in waste management facilities.

The combination of the unique patented split delta geometry and the TwoStep™ process, paired with reliable measurement electronics and software, makes the RTM860TS the best performing monitor in its class.

The RADOS CheckPoint:Body™ family member RTM860TS in its 5th generation is designed for personnel contamination and internal contamination screening at check points, such as controlled area exits.

It features:
• Various detector configurations
• Large choice of options
• Modern, PC supported measurement electronics
• Designed for performance in nuclear environments
• Proven measurement concept

FEATURES...

The RADOS RTM860TS features class-leading performance utilizing TwoStep™ measurement for optimal performance. User selectable detection of alpha/beta and optional beta/gamma and alpha/beta/gamma.
TECHNICAL SPECIFICATIONS:

**Overview of Features**
- Comprehensive body coverage with alpha/beta detectors
- Gas flow proportional detectors for alpha and beta contamination either simultaneously detected or discriminated (as option)
- Class leading homogeneity of detector response by minimized dead zones
- Patented split delta geometry for uniform sensitivity profile
- Up to 67 available measurement channels in total allow a variety of detector options (e.g., small items boxes or gamma detectors)
- Various choices in protective grids offer opportunity to optimize either for sensitivity or for detector protection
- Large choice of options (doors, barriers, small item boxes, card readers, dosimetry reader interface ...)
- Modern, PC supported measurement electronics
  - Real time, multitasking operating system QNX6
  - Graphical user interface, calibration tool, various optional applications (P² accelerator, detector test etc.)
  - Voice guidance in two dozen languages
  - Various interfaces (USB, LAN, CD)
- Designed for performance in nuclear environments
  - Design conform to new IEC 61098
  - Stainless steel housing, easily decontaminated, easy maintenance
- Proven measurement concept
  - Automatic correction of background reduction
  - Automatic adjustment of measurement time
  - Display of measurement values (cps, dpm, cpm, Bq, nCi, Bq/cm², kBq/m²) with nuclide pre-selection

**Customer Benefits**
- Particular benefits of the monitor are:
  - Quick and easy operation with robust performance
  - Software on the basis of the real-time QNX operating system proven in many industrial applications
  - Optional P² accelerator reduces measurement time up to 30%
- Designed for low cost of operation and easy maintenance
  - Maintenance software tools common over the CheckPoint:Body™ family of monitors
  - Quick flushing system as standard allows restart of system after repair of punctured detectors within minutes
- Ability to network
  - TCP/IP ability
  - Optional link up with CeMoSys™ server for centralised monitoring

**References**
The RTM860TS monitor of the CheckPoint:Body™ family is the ideal monitor to control the exit points from controlled areas in nuclear facilities with:
- Potential alpha and beta contamination (gamma as option)
- High throughput requirements

Since norms, specifications and designs are subject to occasional change, please ask for confirmation of the information given in this publication.

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