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RADOS RTM750
Laundry and Small-Items Monitor
CheckPoint:Laundry™ family



FEATURES...

The RADOS RTM750 monitor of the CheckPoint:Laundry™ family detects and measures residual contamination in clothing with ease and high efficiency.

It features:

- a high throughput
- automatic speed control
- automatic alarm adjustment according to background radiation
- continuous background radiation subtraction
- selectable alarm levels in cps/cpm/Bq/Bq/cm²
- RGZ as standard gas detectors - optional Beta plastic and Gamma plastic detectors possible

RADOS RTM750

Laundry and Small-Items Monitor

The RADOS RTM750 Laundry and Small-Items Scanner is used in nuclear facilities to detect and measure the possible residual contamination in clothing.

The RADOS RTM750 Laundry and Small-Items Scanner provides high speed throughput and high monitoring reliability coupled with exceptionally low level detection capability. Two detector arrays, one on top and one below the conveyor belt, guarantee a high detection efficiency with no dead zones. For very small changes in radiation levels, i. e. in the count rate, the scanner uses fast change algorithms based on a Poisson distribution. The RTM750 is suitable for various applications made possible by the option of having different detector types installed.

The system is based on an industrial personal computer. Extremely robust, real time and multi-tasking Unix-based operating system, designed for highest performance in process control with an intuitive graphical user interface.



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Featuring:

RADOS

TECHNICAL SPECIFICATIONS:

Overview of Features

- Choice of large-area detectors
 - gas flow proportional counters for beta detection (alpha optional)
 - plastic scintillation detectors for beta and gamma contamination monitoring
- no dead zones between the detectors due to staggered arrangement of detectors
- speed of conveyor belt automatically adjusts depending on the background and alarm thresholds
- low detection limits due to Poisson module
- Real time multitasking operating system QNX featuring intuitive graphical user interface,
- Designed for performance in nuclear environments
 - stainless steel housing, easily decontaminated, easy maintenance
- Choice of options from extended conveyor, height adjustment, automatic measurement start and stop and second conveyor for sorting

Customer Benefits

- High throughput
 - various filter algorithms ensure fast and accurate measurement
 - continuous background adjustment without stopping the measurement sequence
 - Software on the basis of the real-time QNX operating system proven in many generations of RADOS monitors.
- Low cost of operation and maintenance
 - no special user training necessary
 - automatic detection of damaged or contaminated detectors
 - virtually maintenance free operation
 - system checks are guided by dedicated software feature
- Ability to network
 - TCP/IP ability
 - Optional link up with CeMoSys™ server for centralised monitoring

References

- RADOS Laundry and small items monitors have been proven over many generations of RADOS monitors.
- The RTM750 monitor of the CheckPoint:Laundry™ family is the ideal monitor for efficient checking of clothing in active laundries of nuclear facilities
 - with potential beta contamination
 - with potential beta and gamma contamination
 - with high throughput requirements
- The RTM750 is also well suited for contamination monitoring on small items.

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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