



Rados HandFoot-Fibre™

Hand Foot Clothing Monitor

The new RADOS HandFoot-Fibre™ Monitor is used in circumstances not requiring a full body monitor. It is suitable for various applications due to the combination of alpha/beta or beta/gamma detection (optional).

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 featuring a touch screen for greatest ease of use.

FEATURES...

The RADOS HandFoot-Fibre™ is a Hand Foot Clothing monitor in a functional design for measurement of beta contamination (alpha without discrimination).

- PC supported measurement electronics with industrial PC, suitable for networks
- touchscreen
- RADOS fibre technology detectors not requiring gas connection
- automatic background reduction
- automatic adjustment of measurement time
- display of measurement values (cps, dpm, cpm, Bq, nCi, Bq/cm², kBq/m²) with nuclide pre-selection
- design conforming to new IEC 61098



health physics

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Featuring:

RADOS

TECHNICAL SPECIFICATIONS:

RADOS HandFoot-Fibre™
Hand Foot Clothing Monitor
CheckPoint:Body™ family

Overview of Features

- Radically new Fibre scintillation detector design
Improved light collection properties for Fibre scintillation detectors.
- Real time multitasking operating system QNX6
New graphical user interface with integrated touch screen, calibration tool, P² accelerator, various optional service applications (detector test etc.).
- Designed for performance in nuclear environments
Painted mild steel housing, easily decontaminated, easy maintenance
- Very low sensitivity to background change
- voice guidance in 4 languages selectable by touch

Customer Benefits

- High throughput
 - Software on the basis of the real-time QNX operating system proven in many generations of RADOS monitors.
 - Standard P² accelerator reduces measurement time up to 30%
 - simultaneous measurement of palm and back of hand in one step
- Low cost of operation and maintenance
 - no gas required for operation and no delay after maintenance due to gas flushing (plug & play maintainability)
 - lower rate of damage to detectors in day to day wear
 - rigorous standardization of parts decreases need to hold a large variety of spares
 - maintenance software tools proven over the CheckPoint:Body™ family of monitors
 - simple detector design allows in-the-field repair by customer's technician - resulting in lower maintenance costs
 - calibration tool "system check"
- Ability to network
 - TCP/IP ability
 - optional link up with CeMoSys™ server for centralised monitoring
- various options: detector test tool, network printing, PDF print

References

- RADOS Hand-Foot-Clothing monitors have been proven over many generations of RADOS body monitors.
- The HandFoot-Fibre™ monitor of the CheckPoint:Body™ family is the ideal monitor to back up whole body contamination monitors at the exit points from controlled areas in nuclear facilities
 - with potential alpha/beta contamination (no discrimination; beta-gamma as option)
 - with high or changing gamma background
 - with high throughput requirements
- The HandFoot-Fibre™ is also very well suited for mobile contamination monitoring inside the controlled area or for temporary controlled areas.

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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