

FEATURES

- RADOS fibre detector technology
- Hybrid detector for alpha, beta and low & medium gamma measurement
- high sensitivity in low energy radiation
- nuclide pre-selection
- touch screen
- frisking probe for clothing (standard)
- design acc. to new IEC 61098

RADOS HandFoot-Fibre™ MED

Hand Foot Clothing Monitor for medical applications

The new RADOS HandFoot-Fibre™ MED Monitor is used for contamination control in circumstances not requiring a full body monitor. It is suitable for various applications especially for nuclear medicine and isotope laboratories due to its ability to detect alpha, beta and low energy gamma radiation.

The BetaFibre™ and GammaFibre™ technology developed by Mirion Technologies in Hamburg offers unique benefits in terms of detection properties such as homogeneity of response and light collection from the fibre plastic scintillation detectors. Also, fibre detectors are more cost effective concerning operation and maintenance.

Many years of experience in developing Hand-Foot-Clothing monitors for the nuclear industry have allowed Mirion Hamburg to come up with a reliable & robust monitor for medical applications.



health physics

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Featuring:

RADOS

TECHNICAL SPECIFICATION

Features

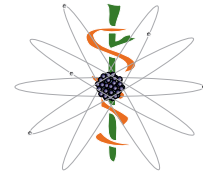
Radically new fibre scintillation detector design

- improved light collection properties
- improved detection limits due to discrimination of high and low level energy channels
- detection of beta, gamma and alpha radiation

Realtime-multitasking operating system QNX, UNIX based

- graphical user interface with integrated touch screen
- voice prompts in 4 languages (selectable from a whole range)
- languages selectable via touch screen
- automatic background subtraction and update
- automatic measurement time calculation
- calibration tool
- optional service tools e.g. detector test tool

Housing easily decontaminated



Customer Benefits

Quick & efficient operation

- P²-accelerator reduces measuring time up to 30 %
- simultaneous measurement of palm and back of hand in one step
- transportation wheels

Low costs in operation and maintenance

- no gas required, thus no delay due to gas flushing
- rugged detectors made for day-to-day operations
- rigorous standardization of parts decreases need to hold a large variety of spares
- maintenance software tools
- simple detector design allows in-the-field repair by customer's technician

Ability to network

- TCP/IP-ability
- optional link to CeMoSys server for central monitoring

Further options: software detector test, network and PDF print

References

The HandFoot-Fibre™ MED is the ideal monitor to cater for the needs of radioactive contamination control in nuclear medical or radioisotope laboratories

- with potential gamma and alpha/beta contamination (no discrimination)
- handling typical isotopes for medical applications such as Co-57, Tc-99m or I-125
- with high throughput requirements.

The HandFoot-Fibre™ MED is also very well suited for mobile contamination monitoring inside controlled areas, or for temporary controlled areas.



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