



RADOS TwoStep™-PRE

Body Contamination Monitor

The RADOS TwoStep™-PRE covers parts of the body most likely to be contaminated - it is easy to use and has excellent user guidance using a video display and voice prompts.

The design and the features of the TwoStep™-PRE Body Monitor make it an effective, secure and safe contamination monitor for personnel. It enables high throughput of personnel leaving the controlled area, whilst providing accurate, clear results.

FEATURES...

RADOS TwoStep™-PRE is a body contamination monitor working in TwoStep™ mode with large area gas flow detectors.

It features:

- easy operation
- body, foot and forearm measurement
- position sensor for proximity to detectors
- speech processor for user guidance
- service friendly industrial grade PC
- automatic adjustment of measurement time
- operation in cps, cpm, dpm, Bq, nCi, kBq/m² and Bq/cm²



health physics

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Featuring:

RADOS

TECHNICAL SPECIFICATIONS:

Overview of Features

- large area gas flow proportional counters
- alpha/beta measurement and alpha discrimination and beta as option
- maximum detection sensitivity for both front and reverse side due to proximity switch
 - coverage of front and reverse of body, feet, hands, head and forearms
 - unique method for background compensation using two median filters
- operation:
 - monitoring of the measurement position by optical sensors
 - measurements in cps, cpm, dpm, Bq, nCi, kBq/m² and Bq/cm²
 - measurement performed in two steps:
 1. front measurement of the body as well as the head, right hand and forearm, and right foot
 2. reverse side: back measurement, including head, left hand and forearm, and left foot
 - display of amount of activity volume and position of contamination
 - user guidance by speech processor for up to four user selectable languages
- service and maintenance:
 - easily replaceable detectors
 - calibration menu providing protocol and including a plateau plotter
 - very easy adjustment of all programmable parameters
 - data storage on USB or data printout for analysis

Customer Benefits

Particular benefits of the monitor are:

- quick and easy operation with robust performance
 - software on the basis of the real-time QNX6 operating system proven in many industrial applications
 - optional P² accelerator reduces measurement time up to 30%
- maintenance software tools common over the CheckPoint:Body™ family of monitors
- ability to network
 - TCP/IP ability
 - optional link up with CeMoSys™ server for centralised monitoring

References

- RADOS body contamination monitors are market leading in Germany, Europe and many countries worldwide
- The TwoStep™-PRE monitor of the CheckPoint:Body™ family is the ideal monitor to back up whole body contamination monitors as pre monitor at exit points from controlled areas in nuclear facilities:
 - with potential alpha/beta contamination,
 - with high or changing gamma background,
 - with 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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