



MIRION
TECHNOLOGIES

Radiation. **Safety.**

OneStep™

Whole Body Contamination Monitor



Nuclear
Power



Homeland
Security
& Defense



Industrial and
Manufacturing



Healthcare



Labs and
Education

OVERVIEW

The Mirion OneStep™ whole body monitor checks the entire body for contamination in one easy step as personnel leave the controlled area. It is usually used in nuclear plants, research reactors and in waste management plants.

The system is based on an industrial personal computer. Operating system designed for highest performance in process control with an intuitive graphical user interface for ease of use.

KEY FEATURES

- High sensitive gas-flow detectors for measurement of alpha and beta contamination (optional alpha/beta discrimination)
- Small dead zones due to large detector surfaces
- Reduction of measurement time with unique P² accelerator by up to 30 %
- Graphic display of measurement result and location of contamination
- Operating in cps, cpm, dpm, Bq, Bq/cm², kBq/m², nCi
- Rugged stainless steel housing, easy to decontaminate

Health Physics

OVERVIEW OF FEATURES

Comprehensive body coverage with high sensitivity gas-flow detectors:

- Measurement of radioactive alpha and beta contamination with optional alpha/beta discrimination for hand and feet detectors
- class leading homogeneity of detector response
- minimized dead zones
- various choices in protective grids offer opportunity to optimize either for sensitivity or for detector protection

Modern, PC supported measurement electronics

- graphical user interface, calibration tool, various optional applications (P² accelerator, detector test etc.)
- voice guidance in many languages
- various interfaces (USB, LAN, CD)

Designed for performance in nuclear environments

- 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)

Large choice of options: doors, barriers, small item boxes, card readers, dosimetry reader interface etc.

CUSTOMER BENEFITS

Quick and easy operation with robust performance

- optional P² accelerator reduces measurement time by up to 30 %

Designed for low cost operation and easy maintenance

- advanced maintenance software tools proven in all Mirion body monitors
- quick gas flushing system as standard for monitor availability within few minutes after detector replacement/repair

Ability to network

- TCP/IP network connection
- optional link up with CeMoSys™ server for centralized monitoring

REFERENCES

The OneStep™ monitor of the Mirion body monitor family is the ideal monitor to control the exit points of controlled areas in nuclear facilities with:

- potential beta contamination
- high throughput requirements

in a quick and easy one-step measurement process..

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