MIRION TECHNOLOGIES

Radiation. **Safety.**

TwoStep™-Exit II+

Whole Body Contamination Monitor

Nuclear Power

Homeland Security & Defense

Industrial and Manufacturing

Healthcare

Labs and Education

NEW
Full body measurement in less than
2 x 3 sec

OVERVIEW

TwoStep™-Exit II+ is a whole body monitor to check for beta contamination (gamma optional) on personnel leaving the controlled areas of nuclear facilities.
TwoStep™-Exit II+ features the state-of-the-art Mirion fibre detector technology paired with a Mirion monitor geometry. This monitor is a breakthrough in technology for gas-free body monitors by setting new standards for measurement performance with economic and robust operation.
The TwoStep™-Exit II+ is based on decades of experience in the development and construction of body monitors.

KEY FEATURES

- Improved measurement time/sensitivity
- Outstanding detector homogeneity
- Economic and robust operation & maintenance
- 100 % gas-free
- Simple, standardized detector design for quick & easy repairs
- Intuitive usage and interactive user positioning
- Monitor geometry adjusts optimally to body
- Insensitive to electronic noise or high gamma background
- Uninterruptible power supply
- User-dependent compensation of background-shielding (optional)

Health Physics

FUNCTIONALITY

The TwoStep™-Exit II⁺ is designed for high performance personnel contamination screening. The monitor features the gas-free Mirion fibre detector technology for an outstanding sensitivity and shortest measurement times.
The user is guided and positioned by an intuitive touch screen and audio interface. The advanced data processing ensures an optimal performance and even takes into account weight and size of the user (automatically measured) to compensate for user dependent background-shielding (optional).

MIRION FIBRE DETECTORS

The detector's technology is based on highly sensitive plastic scintillator materials combined with optical fibre and one central photomultiplier for all detectors connected to the monitor. The result is an outstanding sensitivity, exceptionally high uniformity of measurement and the industry's lowest area of dead zones.
Due to its systematically simple layout this concept is particularly solid. At the same time it allows quick and easy repairs and service, for an economic and robust operation with minimal downtime.

USER BENEFITS

High throughput
- Measurement time: only 2 x 3 sec for 83 Bq Tc-99m
- P^2 software reduces measurement time by up to 30 %

Economic operation and maintenance
- No gas required for operation: plug & play maintainability
- Very robust detectors
- Simple detector design for quick & easy repairs
- Rigorous standardization for reduced pool of spare parts

Ability to network
- Connect to CeMoSys™ for centralized monitoring (optional)

TECHNICAL SPECIFICATION

Outer dimensions	Height: 2490 - 3099 mm, width: 1490 - 1600 mm, depth: 800 - 1000 mm (other dimensions possible)
Detectors	34 scintillating BetaFibre™ detectors, optional GammaFibre™ or HybridFibre™ detectors
Display and user interface	Wide 15'' touch screen display and audio guidance
Detection limit	29 Bq (Co-60; 10 s)

Many other options available. Contact us at www.mirion.com

> GERMANY - HAMBURG
T: +49 40 85193 0 | F: +49 40 85193 256 | E: info-de@mirion.com

> USA - SMYRNA, GEORGIA
T: +1 770 432 2744 | F: +1 770 432 9179 | E: info-us@mirion.com

> FRANCE - LAMANON
T: +33 490 595959 | F: +33 490 595518 | E: info-fr@mirion.com

> FINLAND - TURKU
T: +358 2 4684 600 | F: +358 2 4684 601 | E: info-fi@mirion.com

> CHINA - SHANGHAI
T: +86 21 6180 6920 | F: +86 21 6180 6924 | E: info-cn@mirion.com