



MIRION
TECHNOLOGIES

Radiation. **Safety.**

TwoStep™-Flex

Whole Body Contamination Monitor



Nuclear
Power



Homeland
Security
& Defense



Industrial and
Manufacturing



Healthcare



Labs and
Education

OVERVIEW

The TwoStep™-Flex is our new and optimized whole body monitor. Its state-of-the-art fibre detector technology does not only detect alpha, beta and/or gamma emitting radioactive contaminations - it also allows an optional discrimination of all three radiation types.

Thanks to its compact and modular design TwoStep™-Flex is the ideal solution for almost every application. It makes future modifications and upgrades faster and easier than ever before. The monitor is fully automated and therefore particularly easy to use. It features an intuitive touch-screen user interface with interactive (voice guided) user positioning. Comprehensive expert, service and maintenance functionalities are available.

KEY FEATURES

- Fast & accurate: based on gas-free Mirion fibre detector technology
- Gas-flow detectors on request
- Alpha/beta discrimination and whole body GammaFibre™ detectors optional
- Insensitive to electronic noise / high gamma background
- Uninterruptible power supply (UPS)
- Advanced software incl. P² measurement accelerator
- Economic & robust

Health Physics

MODULAR LAYOUT

With more than 30 years of experience in developing and manufacturing whole body contamination monitors, Mirion Technologies knows that each application has specific requirements. TwoStep™-Flex is the first truly modular whole body monitor. Four pre-configured packages are available to upgrade your basic TwoStep™-Flex:

Basic monitor layout

The basic layout is ideal for the use as a pre-monitor or as a complementary body monitor for personnel contamination screening.

- 22 BetaFibre™ detectors for contamination measurement of body, hands and feet
- Touch screen display and voice-guided user positioning
- Uninterruptible power supply (UPS)
- and many more...

Detector & Sensor Upgrade

The upgrade package for precision measurements and discrimination of the different radiation types.

- Improved monitor geometry incl. 3 additional detectors
- Discrimination of alpha/beta radiation on all detectors
- Radon compensation
- Additional sensors for more accurate user positioning

Exit Monitor Upgrade

Upgrade your TwoStep™-Flex to an Exit Monitor for the use at the boundary of a radiologically controlled area.

- Backwall and roof incl. an additional fixed head detector
- Automatic exit barrier

Premium Exit Monitor Upgrade

Upgrade your TwoStep™-Flex for highest performance requirements.

- Backwall + roof incl. manually moveable head detector
- Electric entrance barrier and semi-automatic exit door
- Small items box
- Extended UPS with 2 hours capacity
- ISO11929 software module
- LED monitor illumination and status indication

Gamma Detector Upgrade (for Exit Monitors only)

Upgrade your exit monitor with gamma detectors

- Large volume body gamma detectors (in backwall)
- Gamma foot detector

TECHNICAL SPECIFICATION

Outer dimensions	Height x width x depth: 2230 x 880 x 800 mm ³ (basic layout)
Detectors	22 - 27 BetaFibre™ detectors with optional alpha/beta discrimination Up to 5 GammaFibre™ detectors (optional) Gas-flow detectors available on request
Display and user interface	10" touch screen display and voice guidance



Basic Monitor Layout



Basic Monitor with additional detectors + sensor upgrade



Basic Monitor with exit monitor upgrade

Special requirements? Contact us: www.mirion.com.

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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