



HAND FOOT MONITORING

HandFoot-Fibre™

Hand Foot Clothing Monitor



FEATURES

- Outstanding detector sensitivity and homogeneity
- Economic and robust operation and maintenance
- 100% gas-free
- Very short measurement time
- Easy and intuitive usage
- Touch screen and audio interface
- Detachable probe for monitoring of clothing
- Wheels for easy transport
- Available in different versions for alpha/beta, alpha+beta and beta+gamma measurement

DESCRIPTION

The HandFoot-Fibre monitors are used for contamination screening of hands, feet and clothes for alpha, beta and gamma radiation. Due to their weight and agility these monitors are used in circumstances which do not require a full body monitor or for mobile monitoring purposes.

The monitor's eight detectors are based on the state-of-the-art Mirion fibre detector technology, enabling a fast and reliable measurement process, even in high or fluctuating background conditions. There are three versions available:

HandFoot-Fibre™ XL with alpha and beta sensitive RFD485 fibre detectors for the use in all nuclear environments.

HandFoot-Fibre™ A+ with RFD485 A+ detectors, featuring a discrimination of alpha and beta radiation.

HandFoot-Fibre™ MED featuring HybridFibre™ detectors, which are sensitive to alpha, beta and gamma radiation and particularly well suited for medical applications.

MIRION FIBRE DETECTORS

For the highest performance requirements, the state-of-the-art Mirion fibre detector technology utilizes scintillating fibre detectors that feature some of the industry's lowest area of dead zones. This results in an outstanding sensitivity with an exceptionally high measurement homogeneity.

The clever detector design allows quick and easy repairs, for an economic and robust operation with minimal downtime.

MEDICAL APPLICATION

HandFoot-Fibre MED has been developed for medical applications. The HybridFibre™ detectors are detecting alpha, beta, and gamma radiation with a particularly high sensitivity for low energy radiation (up to 30 keV).

In handling medical isotopes like Co-57, Tc-99m, or I-125 the HandFoot-Fibre MED is an expert. A nuclide database is provided, and can be extended with user's own entries. The monitor applies to the EMC requirements of laboratory medicine.

USER BENEFITS

Easy and economic operation and maintenance

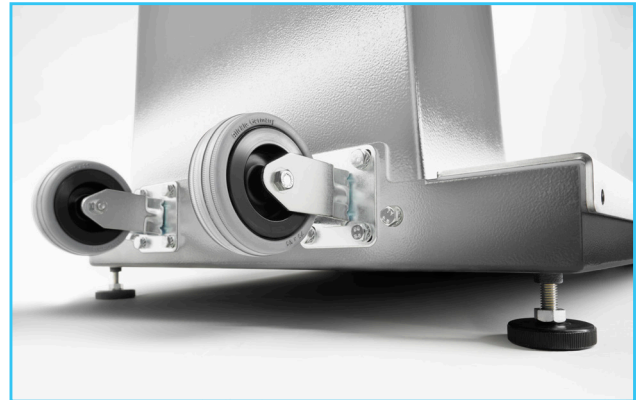
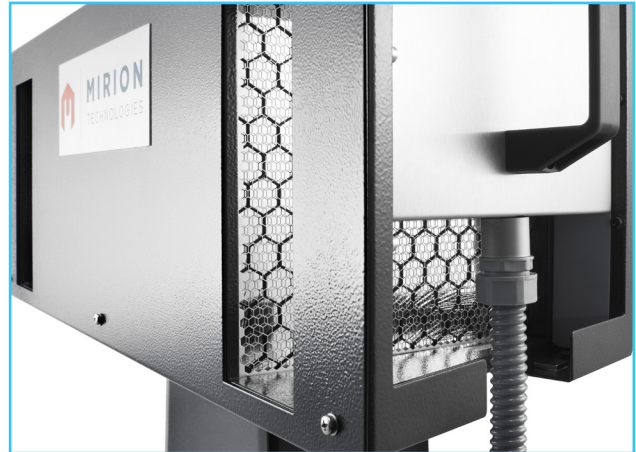
- Short measurement time thanks to outstanding detector sensitivity and simultaneous measurement of hands and feet
- P²-accelerator reduces measurement time by up to 30%
- Automatic background subtraction
- Rigorous standardization for reduced pool of spare parts
- Comprehensive user interface based on Mirion's innovative Lighthouse software platform and Windows 10 IoT operating system
- Detachable frisker probe for measuring of cloths/body

Mobile monitoring

- Lightweight
- Easy to move thanks to wheels and handle. Larger wheels for transport on rough ground available (optional)

Ability to network

- Connect to CeMoSys™ software for centralized monitoring (optional)



TECHNICAL SPECIFICATIONS

Dimensions

- Height: 1660 mm
- Width: 478 mm
- Depth: 750 mm

Weight

- 57 to 63 kg, depending on version

Detectors

- Eight scintillating fibre detectors

Detection limit

- 30 Bq/hand, 45 Bq/foot (Co-60) for XL version
- 33 Bq/hand, 45 Bq/foot (Co-60) for MED version

Many more options available. Contact us on www.mirion.com.