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TECHNOLOGIES

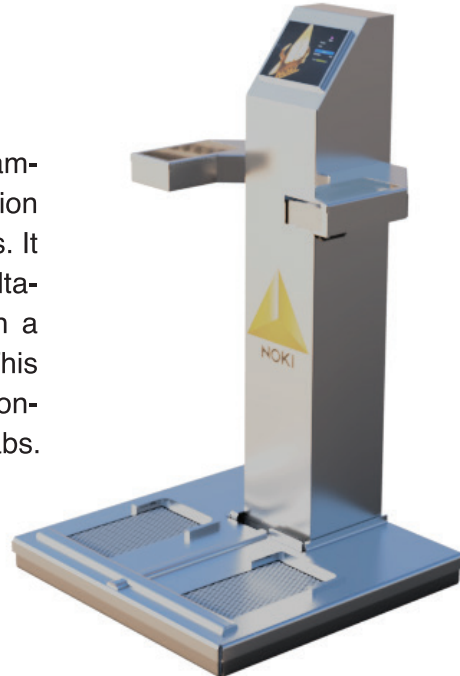
Noki Technologies, a privately-owned family business operating through two decades in the Nuclear Medicine and Nuclear Energy. Leveraging our expertise, we bring to the fore, Advanced Measurement & Automation Instruments. Our focus on innovation and precision drives us to deliver solutions tailored to the evolving demands of our clients.

X- FCM

HAND FOOT CLOTH MONITOR

Description

The X- FCM is a sophisticated hand and foot radiation contamination monitor designed for efficient, high-precision detection of radioactive particles on hands, feet, and other body parts. It features advanced monitoring capabilities, including simultaneous measurements of both hands and feet, along with a customizable alarm threshold for each detection unit. This makes it ideal for ensuring safety in radiation-heavy environments, such as nuclear facilities, hospitals, and research labs.



Key Features

Touchscreen Control

Equipped with a color LCD touch screen and real time data display.

Customizable Alarm Thresholds

Settable alarm thresholds for each detection unit to meet specific safety requirements

Visual and Acoustic Alarms

Alerts users with both optical and acoustic signals when thresholds are exceeded.

Measurement Flexibility

Measures radiation in Bq/cm² or CPS, providing flexibility for various contamination scenarios.

Simultaneous Measurement

Detects contamination on both hands and feet simultaneously, with dedicated detectors for each hand and foot.

Removable Hand Detector

One hand detector can be removed for body contamination measurement.

Radionuclide Library

Features a permanent radionuclide library stored in an SQL data base for easy calibration and reference.

Detector Calibration

Calibration factors are available for each detector, and calibration routines are built into the software.

Password Protection

Two-level password protection (user and administrator) ensures secure access and configuration.

Data Transfer

USB port allows for easy data transfer and integration with external systems.

Durable Design

Operates in temperatures ranging from -10°C to 40°C, suitable for various environments.

Technical Specification

- **Measurement Units:** Bq/cm² , Bq, CPS, CPM and Ci
- **Detection Capability:** Simultaneous monitoring of hands and feet, with one detector for each hand and foot.
- **Removable Hand Detector:** One hand detector is removable for body contamination measurements.
- **Radionuclide Library:** Permanent radionuclide library stored in an SQL database.
- **Power Supply:** 110-230 VAC, 50/60 Hz.
- **Operating Temperature:** Functional in temperatures ranging from -10°C to 40°C.
- **Dimensions:** 650 mm (W) x 450 mm (D) x 1400 mm (H).
- **Weight:** 100 kg.
- **Data Transfer:** USB port for data transfer.
- **Alarm System:** Optical and acoustic alarms for exceeded contamination thresholds.
- **Software Features:** Built-in calibration routines, password protection, and a customizable alarm system.

The monitor is designed according to the international standards:

- **Radiation protection instrumentation:** installed personnel surface contamination monitoring assemblies, IEC 61098:2001
- **Electromagnetic compatibility:** IEC 61000 series standards (Article 4.2 to 4.6 and 4.11)
- **Radiation Detection:** Alpha, Beta & gamma



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NOKI

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