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TECHNOLOGIES

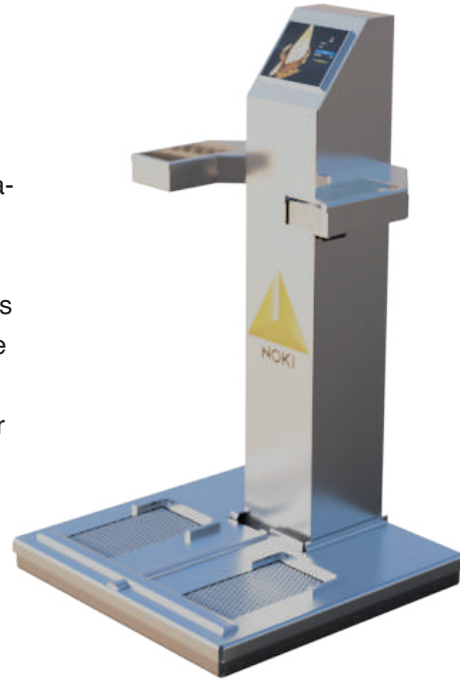
Noki Technologies, a privately-owned family business operating through two decades in the Nuclear Medicine and Nuclear Energy. Leveraging our expertise, we bring to the fore, Advanced Measurement & Automation Instruments. Our focus on innovation and precision drives us to deliver solutions tailored to 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 for easy control 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 database 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 or CPS.
- **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 HF 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)

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Call Us

040-40180256

Address

Noki Technologies Pvt Ltd,
Module 202 B&C, NSIC, ECIL,
Hyderabad, India - 500062

E- mail

sales@nokitechnologies.com

Website

nokitechnologies.com