NUVIATECH INSTRUMENTS

SPECIFICATION SHEET

VIZRAD Frisk

The VIZRAD Frisk is an advanced, zero-dose simulated contamination training system designed to objectively and measurably assess personnel frisking techniques. The system actively monitors and evaluates a trainee's scanning speed, distance from the surface, and total area covered, ensuring precise and consistent training without the risks linked to using live radioactive sources.

Benefits

- Zero-Dose Safety: Highly realistic simulated exercises completely eliminate the risk of live radiation exposure.
- Objective Evaluation: Actively monitors and evaluates trainee technique, including scan speed, proximity, and coverage.
- Dynamic Instructor Control: Instructors can remotely operate the simulated meter to modify variables instantly and evaluate trainee responses.
- High Field Realism: Uses simulated contamination meters and authentic target objects to replicate real-world environments.
- Customizable Scenarios: Software allows instructors to create tailored evaluation modules with specific virtual contamination points.

Key figures

0 mSv

➥ *Radiation Exposure: 0 mSv (100% zero-dose technology)*

3 Distinct options

➥ *Form Factor Configurations: 3 distinct options (Mannequin, Cart, or Workbench).*

Unlimited

➥ *Scenario Capacity: Unlimited custom scenarios (software-driven, instructor-defined).*

Detailed Product Description

The operation of the VIZRAD Frisk is managed through a dedicated laptop. This interface allows instructors to load pre-set training and evaluation modules or create their own custom scenarios. They can set the background count rates and specify the exact location, count rate, and number of virtual contamination points on the target object.

To improve field realism, the system employs simulated contamination meters. The software precisely tracks the detector area's physical location and communicates seamlessly with the system. The simulated meter can operate independently, driven by the software's preset parameters, or be remotely controlled by an instructor to adjust the scenario as needed.

Product Specifications / Technical Data

- **System Type:** Simulated Radiation Detection Training System.
- **Control Interface:** Dedicated laptop with scenario-management software.
- **Hardware Form Factors:** Available as a Mannequin, Cart, or Workbench.
- **Probe Compatibility:** Supports both integrated instruments and those with external probes.
- **Recommended Frisking Equipment:** CoMo-170 (Provides the option to choose between alpha and beta/gamma scenarios).

Additional Information

The NUVIA & Teletrix Partnership NUVIA has partnered with Teletrix to broaden the availability of NUVIA products within Teletrix's simulated training equipment range, and to distribute Teletrix products across NUVIA's markets. This collaboration ensures our trainees and clients can access the most advanced, zero-dose simulated detection technology available today.

About NUVIA Training Choosing NUVIA means partnering with a leader in radiation protection that offers international expertise backed by local knowledge. Advanced training is essential to develop top radiation protection surveyors. Our programs are designed for maximum retention and safety by combining:

- **Classroom Learning:** Foundational physics and regulatory theory.
- **Computer-Based Modules:** Interactive, self-paced fundamental courses.
- **On-Site Experience:** Hands-on practical application in real-world environments.
- **Simulated Exercises:** High-realism scenarios using tools like the VIZRAD Frisk.