NUVIATECH INSTRUMENTS

SPECIFICATION SHEET

NuPROBE-SIM

External training probe for the simulation of gamma dose and dose rate



Our new external simulation probe NuPROBE-SIM is now available, providing an excellent addition to our existing training device portfolio. Designed to enable the measurement of a simulated radiation source, it supports realistic training scenarios. The probe is compatible with our current devices such as DoIMo-Telescope and CoMo-170, ensuring flexible and versatile use.

Advantages

- Realistic measurement display without radioactive sources
- Use with DoIMo-Telescope
- Compatible with current NUVIA instruments from the DoIMo, CoMo or SIM product series (Note: the instrument must support the connection of external probes)
- Exercises in the fictitious µSv/h to mSv/h range without any real dose exposure

Key Features

Approx. 100 mSv/h

➥ *Max. dose rate measuring range*

>3 gamma

➥ *Training sources can be used*

Approx. 40 meter

➥ *Range of the DoIMo SIM radio source*

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NUVIATech SIM Series

Our simulation devices enable practical training scenarios without the need to use radioactive sources. In combination with suitable simulation sources, they create a versatile system for training courses of radiation protection personnel.

NuPROBE-SIM – External Gamma Simulation Probe

The new NuPROBE-SIM is an external simulation probe and adds a particularly flexible component to our NUVIATech SIM series. It is designed exclusively for training purposes and, in combination with the RAD-SIM GS4-A Gamma Simulation Source, it can display measured and indicated values up to approximately 100 mSv/h. An overflow indication is also supported. In combination with the DoIMo-Telescope, the NuPROBE-SIM can be operated both with a conventional DoIMo instrument, such as DoIMo I or DoIMo F and with the DoIMo-SIM.

By default, dose calculation is performed based on the GM tube integrated into the DoIMo and represents the dose at the operator's position. When a simulation source is used, the accumulated dose is zero. If required, dose calculation can be enabled via the external NuPROBE-SIM in the DoIMo main menu.



NuPROBE-SIM – External Gamma Simulation Probe



DoIMo-SIM with DoIMo Telescope

RAD-SIM GS4-A Gamma Simulation Source

The RAD-SIM GS4-A is the matching gamma simulation source for DoIMo SIM and NuPROBE-SIM. A selector switch allows the required fictitious activity level to be set quickly and easily. This enables different dose rate levels to be simulated flexibly and realistic training scenarios to be reproduced in a practical way.

The source is particularly suitable for training in dose rate measurement, area delimitation, source finding and exercises involving multiple simulated radiation fields. Argon's RADSIM Controller App provides a convenient and flexible way to set specific dose rates.



DolMo-SIM
Dose and Dose Rate Meter

The DolMo-SIM is a training instrument for the realistic measurement of gamma dose and dose rate.

In combination with the RAD-SIM GS4-A Gamma Simulation Source, the instrument responds to radio signals and can display measured values up to approximately 100 mSv/h. This allows typical operational scenarios — such as defining hazard areas, checking transport packages or locating lost sources — to be trained safely and realistically, without handling permits or the transport of radioactive materials.



DolMo-SIM - Dose and Dose Rate Meter

CoMo-SIM
Contamination Monitor

The CoMo-SIM is based on the proven CoMo-170 and offers largely the same features as the standard instrument.

The instrument is designed exclusively for training purposes and is used in combination with RAD PCS simulation sources or commercially available magnets. Switching between the alpha and beta/gamma channel is carried out conveniently by remote control. This enables contamination scenarios to be trained safely and realistically.



CoMo-SIM - Contamination Monitor

Product Overview

Simulation devices		Accessories	
NuPROBE-SIM	**11001046**	DolMo I	**11001028**
DolMo-SIM	**12000020**	DolMo F	**11001026**
CoMo-SIM	**11001429**	DolMo-Telescope	**11030046**
Gamma Simulation Source RAD-SIM GS4-A	**12000021**	Probe adapter (32 mm)	**12035142**
		DolMo-Telescope case	**31730017**
		Spiral cable 2 m NUVIA	**12003028**