SIM-Teq® Simulation Technologies

Model 26-1TD

Frisker
Training Device

Model 26-1TD Frisker Features:

- Simulates features and functions of the Ludlum Models 26-1/3 Frisker(s)
- Built with OEM hardware
- Realistic dose and count rate response varies based on detector distance to both gamma and contamination sources
- Use with any SIM-Teq RFID contamination source(s) or control manually with Simulation Control Center application (SCC)
- Simulated contamination sources are factory configurable to provide simulated contamination and level (up to 50,000 cps and greater for saturation demonstration)
- Device configuration via SCC application
- Provides all device controls/faults

Train Your Radworkers To:

- Respond to dose rates based on distance to one or more TWR “Live” Sources
- Understand $1/r^2$ principle
- Use proper frisking speed and probe-to-surface distance
- Perform contamination surveys in elevated background environments
- Hear and understand audible click rates as dose or contamination levels change
- Assess if contamination has spread by using multiple contamination sources placed throughout an area
- Operate all device controls
- Recognize device faults and failures

Instill the experience, self-assurance, and real understanding you want your trainees to achieve – safely.

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Specifications:

Model	Model 26-1TD
Physical Dimensions	4.6 x 6.9 x 27.2 cm (1.8 x 2.7 x 10.7 in.) (Same as Ludlum Model 26-1 Integrated Frisker)
Power Requirements	(2) “AA” alkaline batteries (Same as Ludlum Model 26-1 Integrated Frisker)
Battery Life	>8 hours operation
Environmental	NEMA 3, IP 53 (Same as Ludlum Model 26-1 Integrated Frisker)
Wireless Communication	IEEE 802.15.4, 2.4 GHz, 18 mW
EMI	• FCC TBD • Industry Canada TBD • EU; CE TBD
Features	• Operates independently with any SIM-Teq TWR Source, SIM-Teq RFID Contamination Sources, OR manually controlled by an instructor • Ludlum external components include the digital display, speaker, pushbuttons, case top, battery compartment, and handle – looks, feels, and responds like the real instrument • Display Range (Same as Ludlum Model 26-1 or Model 26-3 Integrated Frisker) • Response performance characterized from real instrument • Functional pushbuttons, auto LCD backlight activation, simulated dose/count rate saturation, count rate alarms, all display indications • Ratemeter, MAX Hold, and Count Operating Modes • Realistic response based on source/detector distance, integrated sensors determine probe-to-surface distance and automatically vary the displayed rate (up to 4 inches from contamination sources) • Demonstrates detector saturation response • No calibration or setup required
Range of Operation	• Simulated gamma radiation is detectable to approximately 100 ft. line of sight. Depending upon material composition, obstructions may reduce operational distance • Remote wireless connection with SCC is approximately 100 ft line of sight. Depending upon material composition, obstructions may reduce operational distance • Up to 4 inches (100 mm) from a surface location of the Contamination Source(S)
Control Options	• Automatically responds to any SIM-Teq TWR Source AND SIM-Teq RFID Contamination Source • Manual control via Simulation Control Center (SCC) runs on Windows 10/11 PC with SIM-Teq USB Dongle. Features include; ▪ Manual control of max count rate and dose rate ▪ Continuous display of current measurement from training meter ▪ Swap between manual control and auto-response to simulated source(s) ▪ User configurable instrument settings configuration
SIM-Teq RFID Contamination Source 	• Factory configurable to a variety of contamination levels • No battery required • Discreet and easily concealed • Various geometries provide different detection characteristics • Available in bulk quantity

The SIM-Teq® System is a wireless training network of simulated dosimeters, survey meters, TWR Sources, Contamination Probes, and Contamination Sources managed and controlled by the Simulation Control Center (SCC) application.

SIM-Teq® Features:

- Easy to set up.
- SCC application operates on any Windows 10/11® PC with a USB Dongle and up to 32 simulator training devices
- Training instructor remotely views and controls simulated radiation levels, alarms, and fault conditions observed by trainees.
- Multiple models supported. Future training devices seamlessly added.

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