

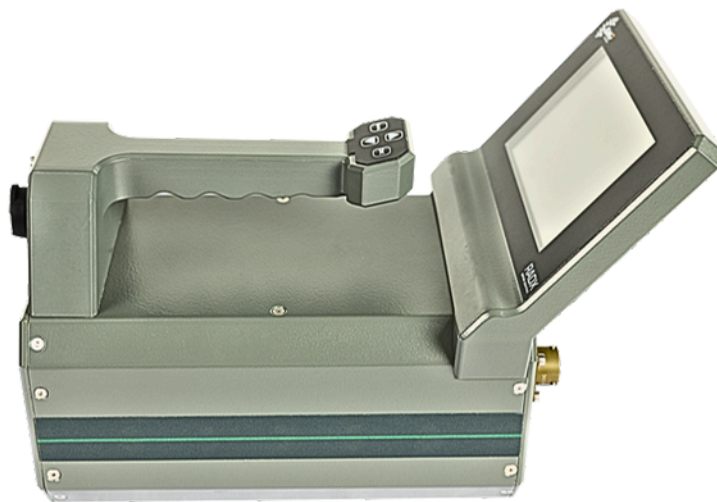


# RADX

Radioisotope Identifier

## Overview

The RADX radioisotope identifier is a portable measurement system that quickly and reliably determines which radioisotopes are present by analyzing the energy spectra of surrounding radiation sources. Due to advanced spectroscopy technology, it enables the separation and classification of isotopes with different gamma emissions. In this way, the user can easily identify the type, intensity, and potential hazard level of the radiation source.



In addition to identifying radioisotopes present in the environment, the RADX radioisotope identifier can also perform alpha, beta, and neutron measurements thanks to the different probes used within the system.

The radiation performance tests of the RADX radioisotope identification device are carried out in ISO/IEC 17025 accredited laboratories in accordance with IEC 60846-1, IEC 60532, IEC 62327, and IEC 60325 standards.

### Fields of Application

- CBRN (Chemical, Biological, Radiological, Nuclear) threat analysis and risk mapping
- Detection and analysis of radioactive contamination caused by war or terrorism

- Identification and monitoring of environmental radiation hazards
- Emergency radiation measurements

## Technical Specifications

### RADX Radioisotope Identifier :

Feature	Value	Description
Detector	LaBr <sub>3</sub> , CsI(Tl), solid-state neutron detector (optional), Geiger-Müller tube with energy compensation	Contamination and neutron measurement probes are optional.
Radiation Type	Surface contamination: alpha, beta, gamma  Dose/Dose rate: X-ray, gamma, neutron	
Measured Parameters	H*(10), Bq/cm <sup>2</sup>	
Energy Range	30 keV- 3.0 MeV	For gamma radiation type
Energy Range	0.025 eV - 14.0 MeV	For neutron radiation type
Dose Rate Range	0.1 µSv/h -10 Sv/h	For gamma and X-ray
Dose Rate Range	1.0 µSv/h -10 Sv/h	For neutron
Operating Temperature, Humidity	MIL-STD-810G*	
EMC	MIL-STD-461G*	

## Contact



### SMF TECHNOLOGY INC.

Address : Serhat Mahallesi 1147 Cadde 12/10 Yenimahalle/ANKARA

E-mail : [info@smf-technology.com](mailto:info@smf-technology.com)

Web : [www.smf-technology.com](http://www.smf-technology.com)