

1. Record Nr.	UNINA9910172603203321
Titolo	American national standard performance criteria for alarming personal radiation detectors for homeland security-redline
Pubbl/distr/stampa	New York : , : IEEE, , 2016
ISBN	1-5044-3765-9
Descrizione fisica	1 online resource (198 pages)
Disciplina	539.2
Soggetti	Radiation - Standards Radiation warning systems - Standards Radiation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Minimum performance specifications and testing methods for the evaluation of alarming personal radiation detectors, also known as PRDs, are contained in this standard. These detectors are pocket-sized and carried on the body. These instruments are primarily designed for the detection and location of radioactive materials emitting gamma rays, and possibly neutrons, and not intended to function as electronic dosimeters. The specifications for general, radiological, environmental, electromagnetic, and mechanical performance are given, and the corresponding testing methods are described. The documentation to be provided by the manufacturer is listed as part of the requirements. A number of informative annexes that provide useful information and guidance in implementing this standard are also contained in this standard. (The PDF of this standard is available at no cost compliments of the Department of Homeland Security Domestic Nuclear Detection Office. http://standards.ieee.org/getN42/download/N42.32-2016.pdf).