

1. Record Nr.	UNISA996577921103316
Titolo	N42.50-2022 - American National Standard Performance Specifications for Instrumentation Systems Designed for Measuring Radon Progeny in Air // IEEE
Pubbl/distr/stampa	New York : , : IEEE, , 2022
ISBN	1-5044-9014-2
Descrizione fisica	1 online resource (50 pages)
Disciplina	628.535
Soggetti	Radon - Measurement Air sampling apparatus Radioactivity - Instruments
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Minimum performance requirements and performance testing requirements are specified in this standard for instruments designed to measure radon progeny in air. Inasmuch as the health effects of exposure to radon progeny, and hence regulatory control, are quantified relative to the ultimate dose delivered by the complete decay of all the radon progeny in the monitored air, the principle measurand of interest is therefore the potential alpha energy concentration, expressed in units of either working level (WL) or joules m-3 given that primary measurements characterize activity. The needs of users, manufacturers, and regulators concerned with radon progeny measurements are addressed in this standard.