

Medición de la radiactividad en el ambiente. Aire: radón-222. Parte 11: Método de ensayo para gas de suelo con muestreo en profundidad. (ISO 11665-11:2016) (Ratificada por la Asociación Española de Normalización en noviembre de 2019.)

UNE-EN ISO 11665-11:2019

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Measurement of radioactivity in the environment - Air: radon-222 - Part 11: Test method for soil gas with sampling at depth (ISO 11665-11:2016) (Endorsed by Asociación Española de Normalización in November of 2019.)

Mesurage de la radioactivité dans l'environnement - Air: radon 222 - Partie 11: Méthode d'essai pour le gaz du sol avec un prélèvement en profondeur (ISO 11665-11:2016) (Entérinée par l'Asociación Española de Normalización en novembre 2019.)

En cumplimiento del punto 11.2.5.4 de las Reglas Internas de CEN/CENELEC Parte 2, se ha otorgado el rango de documento normativo español UNE al documento normativo europeo EN ISO 11665-11:2019 (Fecha de disponibilidad 2019-10-09)

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Asociación Española de Normalización

Génova, 6
28004 MADRID-España
Tel.: 915 294 900
info@une.org
www.une.org

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EUROPEAN STANDARD

EN ISO 11665-11

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2019

ICS 13.040.01; 17.240

English Version

**Measurement of radioactivity in the environment - Air:
radon-222 - Part 11: Test method for soil gas with
sampling at depth (ISO 11665-11:2016)**

Mesurage de la radioactivité dans l'environnement -
Air: radon 222 - Partie 11: Méthode d'essai pour le gaz
du sol avec un prélèvement en profondeur (ISO 11665-
11:2016)

Ermittlung der Radioaktivität in der Umwelt - Luft:
Radon-222 - Teil 11: Verfahren zur Probenahme und
Prüfung von Bodenluft (ISO 11665-11:2016)

This European Standard was approved by CEN on 8 March 2019.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of ISO 11665-11:2016 has been prepared by Technical Committee ISO/TC 85 "Nuclear energy, nuclear technologies, and radiological protection" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11665-11:2019 by Technical Committee CEN/TC 430 "Nuclear energy, nuclear technologies, and radiological protection" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

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Endorsement notice

The text of ISO 11665-11:2016 has been approved by CEN as EN ISO 11665-11:2019 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The committee responsible for this document is Technical Committee ISO/TC 85, *Nuclear energy, nuclear technologies, and radiological protection*, Subcommittee SC 2, *Radiological protection*.

ISO 11665 consists of the following parts, under the general title *Measurement of radioactivity in the environment — Air: radon-222*:

- *Part 1: Origins of radon and its short-lived decay products and associated measurement methods*
- *Part 2: Integrated measurement method for determining average potential alpha energy concentration of its short-lived decay products*
- *Part 3: Spot measurement method of the potential alpha energy concentration of its short-lived decay products*
- *Part 4: Integrated measurement method for determining average activity concentration using passive sampling and delayed analysis*
- *Part 5: Continuous measurement method of the activity concentration*
- *Part 6: Spot measurement method of the activity concentration*
- *Part 7: Accumulation method for estimating surface exhalation rate*
- *Part 8: Methodologies for initial and additional investigations in buildings*
- *Part 9: Test methods for exhalation rate of building materials*
- *Part 11: Test method for soil gas with sampling at depth*

The following part is under preparation:

- *Part 10: Determination of the diffusion coefficient in waterproof materials using activity concentration measurement*