

Instrumentación de radioprotección. Instrumentos portátiles para la detección e identificación de radionucleidos y para la indicación de la tasa equivalente de dosis ambiental de la radiación de fotones. (Ratificada por la Asociación Española de Normalización en noviembre de 2019.)

UNE-EN IEC 62327:2019

Instrumentación de radioprotección. Instrumentos portátiles para la detección e identificación de radionucleidos y para la indicación de la tasa equivalente de dosis ambiental de la radiación de fotones. (Ratificada por la Asociación Española de Normalización en noviembre de 2019.)

Radiation protection instrumentation - Hand-held instruments for the detection and identification of radionuclides and for the estimation of ambient dose equivalent rate from photon radiation (Endorsed by Asociación Española de Normalización in November of 2019.)

Instrumentation pour la radioprotection ; Instruments portables pour la détection et l'identification des radionucléides et pour l'estimation du débit d'équivalent de dose ambiant pour le rayonnement de photons (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 IEC 62327:2019 (Fecha de disponibilidad 2019-10-18)

Este documento está disponible en los idiomas oficiales de CEN/CENELEC/ETSI.

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La correspondiente versión oficial de este documento se encuentra disponible en la Asociación Española de Normalización (Génova 6 28004 MADRID, www.une.org).

Las observaciones a este documento han de dirigirse a:

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EUROPEAN STANDARD

EN IEC 62327

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2019

ICS 13.280

Supersedes EN 62327:2011 and all of its amendments
and corrigenda (if any)

English Version

**Radiation protection instrumentation - Hand-held instruments for
the detection and identification of radionuclides and for the
estimation of ambient dose equivalent rate from photon radiation
(IEC 62327:2017)**

Instrumentation pour la radioprotection et Instruments
portables pour la détection et l'identification des
radionucléides et pour l'estimation du débit d'équivalent de
dose ambiant pour le rayonnement de photons
(IEC 62327:2017)

To be completed
(IEC 62327:2017)

This European Standard was approved by CENELEC on 2019-10-07. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

European foreword

The text of document 45B/882/FDIS, future edition 2 of IEC 62327, prepared by SC 45B "Radiation protection instrumentation" of IEC/TC 45 "Nuclear instrumentation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62327:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-07-07
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-10-07

This document supersedes EN 62327:2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62327:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60086-1:2015	NOTE	Harmonized as EN 60086-1:2015 (not modified)
IEC 60721-3-7	NOTE	Harmonized as EN 60721-3-7

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-395	2014	International Electrotechnical Vocabulary -- Part 395: Nuclear instrumentation: Physical phenomena, basic concepts, instruments, systems, equipment and detectors		-
IEC 60068-2-1	-	Environmental testing - Part 2-1: Tests Test A: Cold	-EN 60068-2-1	-
IEC 60068-2-2	-	Environmental testing - Part 2-2: Tests Test B: Dry heat	-EN 60068-2-2	-
IEC 60068-2-11	-	Basic environmental testing procedures Part 2-11: Tests - Test Ka: Salt mist	-EN 60068-2-11	-
IEC 60068-2-14	-	Environmental testing - Part 2-14: Tests Test N: Change of temperature	-EN 60068-2-14	-
IEC 60068-2-18	-		EN 60068-2-18	-
IEC 60068-2-27	2008	Environmental testing - Part 2-27: Tests Test Ea and guidance: Shock	-EN 60068-2-27	2009
IEC 60068-2-64	-	Environmental testing - Part 2-64: Tests Test Fh: Vibration, broadband random and guidance	-EN 60068-2-64	-
IEC 60068-2-66	-	Environmental testing - Part 2: Test methods - Test Cx: Damp heat, steady state (unsaturated pressurized vapour)	EN 60068-2-66	-
IEC 60068-2-68	-	Environmental testing - Part 2-68: Tests Test L: Dust and sand	-EN 60068-2-68	-
IEC 60529	-	Degrees of protection provided by-enclosures (IP Code)		-
IEC 60846-1 (mod)	-	Radiation protection instrumentation Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation - Part 1: Portable workplace and environmental meters and monitors	-EN 60846-1	-
IEC 60846-2 (mod)	-	Radiation protection instrumentation Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation - Part 2: High range beta and photon dose and dose rate portable instruments for emergency radiation protection purposes	-EN 60846-2	-

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61000-4-2	2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	2009
IEC 61000-4-3	2006	Electromagnetic compatibility (EMC) - Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3	2006
IEC 61000-4-6	2013	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6	2014
IEC 61000-4-8	2009	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	EN 61000-4-8	2010
IEC 61005 (mod)	-		EN 61005	-
IEC 61187 (mod)	-	Electrical and electronic measuring equipment - Documentation	EN 61187	-
			+EN 61187:1994/corrigendum Mar. 1995	1995
IEC 62706	-	Radiation protection instrumentation -- Environmental, electromagnetic and mechanical performance requirements		-
IEC 62755	-	Radiation protection instrumentation - Data-format for radiation instruments used in the detection of illicit trafficking of radioactive materials		-