

Environmental testing - Part 3-7: Supporting documentation and guidance - Measurements in temperature chambers for tests A (Cold) and B (Dry heat) (with load)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 60068-3-7:2020 sisaldab Euroopa standardi EN IEC 60068-3-7:2020 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 60068-3-7:2020 consists of the English text of the European standard EN IEC 60068-3-7:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 19.040, 29.020

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English Version

**Environmental testing - Part 3-7: Supporting documentation and
guidance - Measurements in temperature chambers for tests A
(Cold) and B (Dry heat) (with load)
(IEC 60068-3-7:2020)**

Essais d'environnement - Partie 3-7: Documentation
d'accompagnement et recommandations - Mesurages dans
les chambres d'essai en température pour les essais A
(froid) et B (chaleur sèche) (avec charge)
(IEC 60068-3-7:2020)

Umgebungseinflüsse - Teil 3-7: Unterstützende
Dokumentation und Leitfaden - Messungen in
Temperaturprüfkammern für Prüfungen A (Kälte) und B
(trockene Wärme) (mit Prüfgut)
(IEC 60068-3-7:2020)

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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 104/868/FDIS, future edition 2 of IEC 60068-3-7, prepared by IEC/TC 104 "Environmental conditions, classification and methods of test" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60068-3-7:2020.

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) 2021-05-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-08-11

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IEC 60068-2-1	NOTE	Harmonized as EN 60068-2-1
IEC 60068-2-2:2007	NOTE	Harmonized as EN 60068-2-2:2007 (not modified)
IEC 60068-3-1	NOTE	Harmonized as EN 60068-3-1
IEC 60068-3-6:2018	NOTE	Harmonized as EN IEC 60068-3-6:2018 (not modified)
IEC 60584-1	NOTE	Harmonized as EN 60584-1
IEC 60751	NOTE	Harmonized as EN 60751

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 60068-3-5	-	Environmental testing - Part 3-5: Supporting documentation and guidance - Confirmation of the performance of temperature chambers	EN IEC 60068-3-5	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Environmental testing –
Part 3-7: Supporting documentation and guidance – Measurements in
temperature chambers for tests A (Cold) and B (Dry heat) (with load)**

**Essais d'environnement –
Partie 3-7: Documentation d'accompagnement et recommandations –
Mesurages dans les chambres d'essai en température pour les essais A (froid)
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ENVIRONMENTAL TESTING –

**Part 3-7: Supporting documentation and guidance –
Measurements in temperature chambers for
tests A (Cold) and B (Dry heat) (with load)**

FOREWORD

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International Standard IEC 60068-3-7 has been prepared by IEC technical committee TC 104: Environmental conditions, classification and methods of test.

This second edition cancels and replaces the first edition published in 2001. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) verbal forms have, in many parts, been changed to express requirements instead of recommendations ('shall' instead of 'should');
- b) Table 1 has been updated.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
104/868/FDIS	104/873/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60068 series, published under the general title *Environmental testing*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

IEC 60068 (all parts) contains fundamental information on environmental testing procedures and severities.

The expression "environmental conditioning" or "environmental testing" covers the natural and artificial environments to which components or equipment may be exposed so that an assessment can be made of their performance under conditions of use, transport and storage to which they may be exposed in practice.

Temperature chambers used for "environmental conditioning" or "environmental testing" are not described in any publication, although the method of maintaining and measuring temperature and/or humidity has great influence on test results. The physical characteristics of temperature chambers can also influence test results.